ORDER NO. MD0510381C1
A6

# Service Manual

CD Stereo System

## SA-AK340P / SA-AK340PC

Colour
(S)... Silver Type

**Notes: This model's CD mechanism changer unit is CRS1. Please refer to the original Service Manual (Order No. MD0509368C0) for this mechanism.**

## SPECIFICATIONS

**Specifications**

## ■ AMPLIFIER SECTION

| | |
|---|---|
| **FTC output power** | |
| **THD 10%, both channels driven** | |
| **50 Hz to 3 kHz** | |
| **(Low channel)** | **81 W per channel (3 )** |
| **3 kHz to 12 kHz** | |
| **(High channel)** | **81 W per channel (3 )** |
| **Total FTC Bi-Amp power** | **324 W** |
| **RMS output power** | |
| **THD 10%, both channels driven** | |
| **1 kHz** | |
| **(Low channel)** | **105 W per channel (3 )** |
| **10 kHz** | |
| **(High channel)** | **105 W per channel (3 )** |
| **Total Bi-Amp power** | **420 W** |

## ■ FM/AM TUNER, TERMINALS SECTION

| | |
|---|---|
| **Preset station** | **FM 15 stations**<br>**AM 15 stations** |
| **Frequency Modulation (FM)** | |
| **Frequency range** | **87.9 to 107.9 MHz (200 kHz steps)**<br>**87.5 to 108.0 MHz (100 kHz steps)** |
| **Sensitivity** | **4.0 V (IHF)** |
| **S/N 26dB** | **2.2 V** |
| **Antenna terminal(s)** | **75 (unbalanced)** |
| **Amplitude Modulation (AM)** | |
| **Frequency range** | **520 to 1710 kHz (10 kHz step)** |
| **Sensitivity** | |
| **S/N 20dB (at 1000 kHz)** | **560 V/m** |
| **Music Port input jack** | |
| **Terminal** | **Stereo, 3.5 mm (1/8") jack** |
| **Sensitivity** | **100 mV, 4.7 k** |
| **Phone jack** | |
| **Terminal** | **Stereo, 3.5 mm (1/8") jack** |

### CASSETTE DECK SECTION

| | |
|---|---|
| **Track system** | **4 track, 2 channel** |
| **Heads** | |
| **Record/playback** | **Solid permalloy head** |
| **Erasure** | **Double gap ferrite head** |
| **Motor** | **DC servo motor** |
| **Recording system** | **AC bias 100 kHz** |
| **Erasing system** | **AC erase 100 kHz** |
| **Tape speed** | **4.8 cm/s (1-7/8 ips)** |
| **Overall frequency response (+3, -6 dB) at DECK OUT** | |
| **NORMAL** | **35 Hz to 14 kHz** |
| **S/N ratio** | **50 dB (A weighted)** |
| **Wow and flutter** | **0.18 % (WRMS)** |
| **Fast forward and rewind time** | **Approx. 120 seconds with C-60 cassette tape** |

### DISC SECTION

| | |
|---|---|
| Disc played [8 cm (3”) or 12 cm (5”)] | |
| (1) CD-Audio (CD-DA) | |
| (2) CD-R/RW (CD-DA, MP3, WMA formatted disc) | |
| (3) MP3/WMA | |
| Bit rate | |
| MP3/WMA | 32 kbps to 320 kbps |
| Sampling frequency | |
| MP3, WMA | 32 kHz, 44.1 kHz, 48 kHz |
| CD-DA | 44.1 kHz |
| Decoding | 16 bit linear |
| Digital filter | 8 fs |
| D/A converter | MASH (1 bit DAC) |
| Pick up | |
| Wavelength | 780 nm |
| Beam Source | Semiconductor laser |
| Audio output (Disc) | |
| Number of channels | 2 (Stereo) (FL,FR) |
| ■ GENERAL | |
| Power supply | AC 120 V, 60Hz |
| Power consumption | 125 W |
| Power consumption in standby mode | 0.28 W |
| Dimensions (W x H x D) | 250 x 330 x 343 mm<br>(9-27/32” x 13” x 13-1/2”) |
| Mass | 6.6 kg (14.6 lb.) |
| Operating temperature range | +5 to +35°C (+41 to +95°F) |
| Operating humidity range | 5 to 90% RH (no condensation) |
| ■ SYSTEM | |
| SC-AK340 (P) | Music center: SA-AK340 (P)<br>Speaker: SB-AK340 (P) |
| SC-AK340 (PC) | Music center: SA-AK340 (PC)<br>Speaker: SB-AK340 (P) |

Notes:

1. Specifications are subject to change without notice. Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

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# 1. Safety Precautions

## 1.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, ensure that all the protective devices such as insulation barriers and insulation papers shields are properly installed.
3. After servicing, check for leakage current checks to prevent from being exposed to shock hazards.

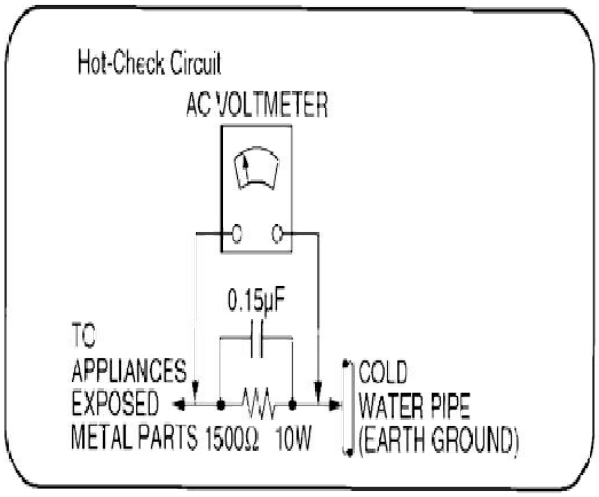
(This “Safety Precaution” is applied only in U.S.A.)

1. Before servicing, unplug the power cord to prevent an electric shock.
2. When replacing parts, use only manufacturer’s recommended components for safety.
3. Check the condition of the power cord. Replace if wear or damage is evident.
4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

### 1.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Using an ohmmeter measure the resistance value, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1M and 5.2M . / When the exposed metal does not have a return path to the chassis, the reading must be .

Fig. 1




### 1.1.2. Leakage Current Hot Check (See Figure 1)

1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a 1.5k Ω , 10 watts resistor, in parallel with a 0.15 F capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.**
3. **Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reverse the AC plug in the AC outlet and repeat each of the above measurements.**
6. **The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. Should the measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.**

### 1.1.3. Caution for fuse replacement

(For English)

CAUTION:

Replace with the same type fuse:
(Manufacturer: Littlefuse Inc., Type: 233, 4A. 125V)

(For Canadian French)

ATTENTION:

Utiliser un fusible de rechange de même type:
(Fabricant: Littlefuse Inc., Type: 233, 4A. 125V)

## 1.2. Before repair and adjustment

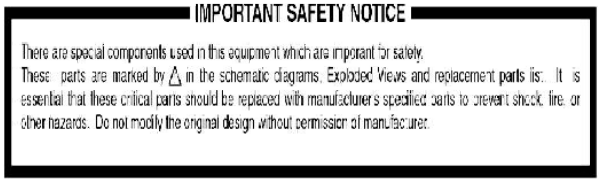
**Disconnect AC power, discharge Power Capacitors C5101, C5104, C5171, C5172, C5920, C5940 and C5950 through a 10 Ω , 5W resistor to ground.**
**DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.**
**After repairs are completed, restore power gradually using a variac, to avoid overcurrent.**
**Current consumption at AC 120V, 60 Hz in NO SIGNAL mode (volume min at CD mode) should be ~ 300mA.**

# 2. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

**Some semiconductor (solid state) devices can be damaged easily by electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).**

1. **Immediately before handling any semiconductor component or semiconductor-equiped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.**
2. **After removing an electrical assembly equiped with ES devices, place the assembly on a conductive surface such as aluminium foil, to prevent electrostatic charge build up or exposure of the assembly.**
3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder remover device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge to damage ES devices.**

5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminium foil or comparable conductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.**
   **Caution**
   **Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.**
8. **Minimize body motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).**


IMPORTANT SAFETY NOTICE
There are special components used in this equipment which are important for safety.
These parts are marked by △ in the schematic diagrams. Exploded Views and replacement parts lis:. It is
essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or
other hazards. Do not modify the original design without permission of manufacturer.

# 3. Precaution of laser diode

**CAUTION:**

**This unit utilizes a class 1 laser diode in the optical pickup unit .**
**Invisible laser radiation is emitted from the optical pickup lens.**
**Wavelength: 780nm**
**When the unit is turned on:**

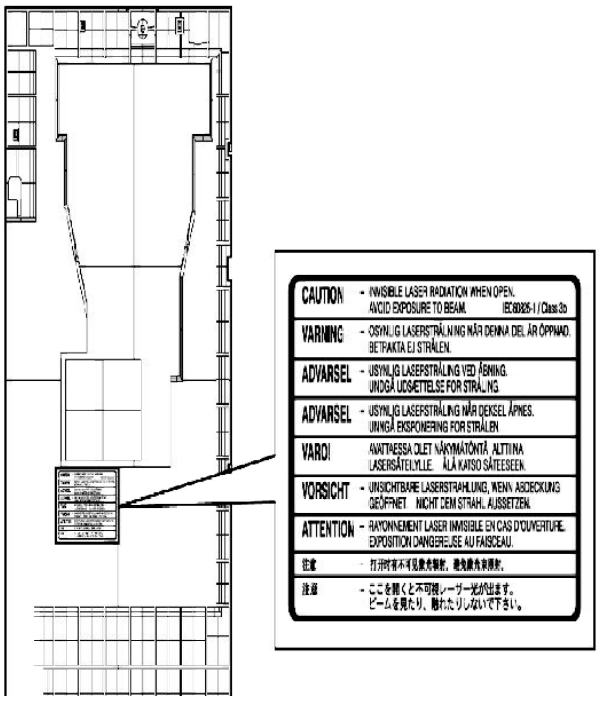
1. **Do not look directly into the optical pickup lens.**
2. **Do not use optical instruments to look at the optical pickup lens.**
3. **Do not adjust the preset variable resistor on the optical pickup lens.**
4. **Do not disassemble the optical optical pickup unit.**
5. **If the optical pickup is replaced, use the manufacturer's specified replacement pickup only.**
6. **Use of control or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.**

**CAUTION!**

**THIS PRODUCT UTILIZES A LASER.**

**USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.**

## ■ Use of caution label (Except for U.S.A.)


CAUTION - INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. IEC60825-1 / Class 3b
VARNING - OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN.
ADVARSEL - USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
ADVARSEL - USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNNGÅ EKSPONERING FOR STRÅLEN.
VARO! AVATTAESSA OLET NÄKYMÄTÖNTÄ ALTTIINA LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VORSICHT - UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN.
ATTENTION - RAYONNEMENT LASER INVISIBLE EN CAS D'OUVERTURE. EXPOSITION DANGEREUSE AU FAISCEAU.
注意 - 打开时有不可见激光辐射，避免激光束照射。
注意 - ここを開くと不可視レーザー光が出ます。ビームを見たり、触れたりしないで下さい。

# 4. Handling the Lead-free Solder

## 4.1. About lead free solder (PbF)

**Distinction of PbF P.C.B.:**

**P.C.B.s (manufactured) using lead free solder will have a PbF stamp on the P.C.B.**

**Caution:**

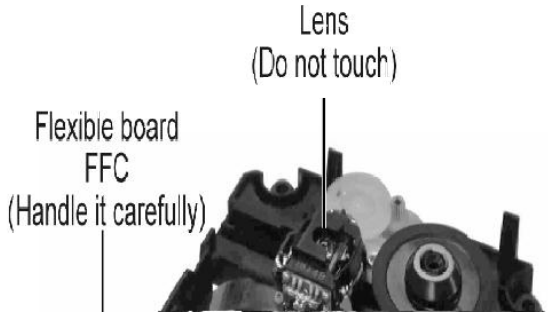
- **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a high temperature soldering iron. In case of soldering iron with temperature control, please set it to 700 ± 20°F (370 ± 10°C).**
- **Pb free solder will tend to splash when heated too high (about 1100°F/ 600°C).**
- **When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.**

# 5. Handling Precautions For Traverse Deck

**The laser diode in the traverse deck (optical pickup) may break down due to potential difference caused by the static electricity of clothes or our human body.**
**So, be careful of electrostatic breakdown during repair of the traverse deck (optical pickup).**

**- Way of handling the traverse deck (optical pickup)**

1. **Do not subject the traverse deck (optical pickup) to static electricity as it is extremely sensitive to electrical shock.**
2. **To prevent the breakdown of the laser diode, an antistatic shorting pin is inserted into the flexible board (FFC board).**
3. **Do not to apply excessive stress to the flexible board (FFC board). When removing or connecting the short pin, finish the job in as short time as possible.**
4. **Do not turn the variable resistor for laser power adjustment. (It is pre-adjusted during production time)**




**Grounding for electrostatic breakdown prevention**

## 1. Human body grounding

**Use the anti-static wrist strap to discharge the static electricity from your body.**

**2. Work table grounding**

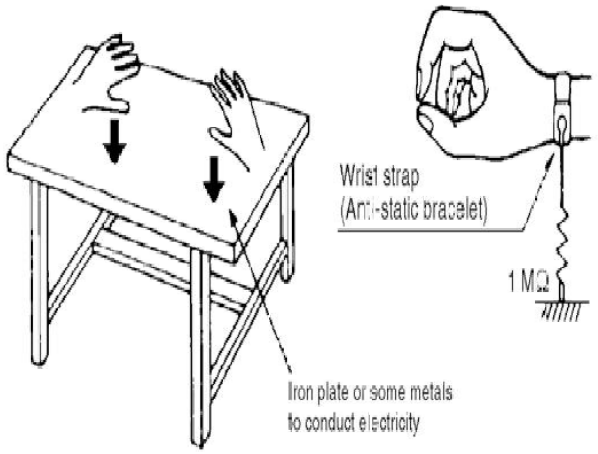
**Put a conductive material (sheet) or steel sheet on the area where the traverse deck (optical pickup) is place, and ground the sheet.**

**Caution :**

**The static electricity of your clothes will not be grounded through the wrist strap. So, take care not to let your clothes touch the traverse deck (optical pickup).**

**Caution when replacing the Traverse Deck**

**The traverse deck has a short point shorted with solder to protect the laser diode against electrostatics breakdown. Be sure to remove the solder from the short point before making connections.**

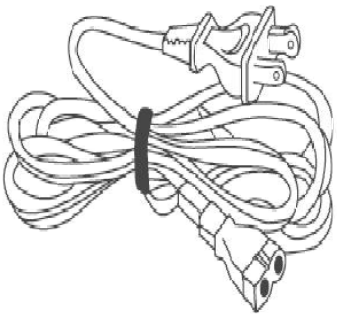



# 6. Accessories

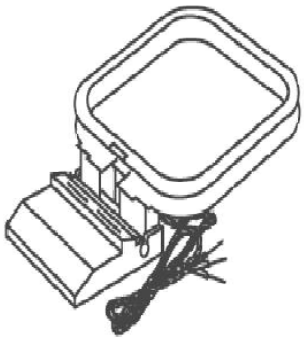
**Remote Control**

**FM Indoor Antenna**

**AC Cord**



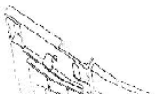
**AM Loop Antenna**

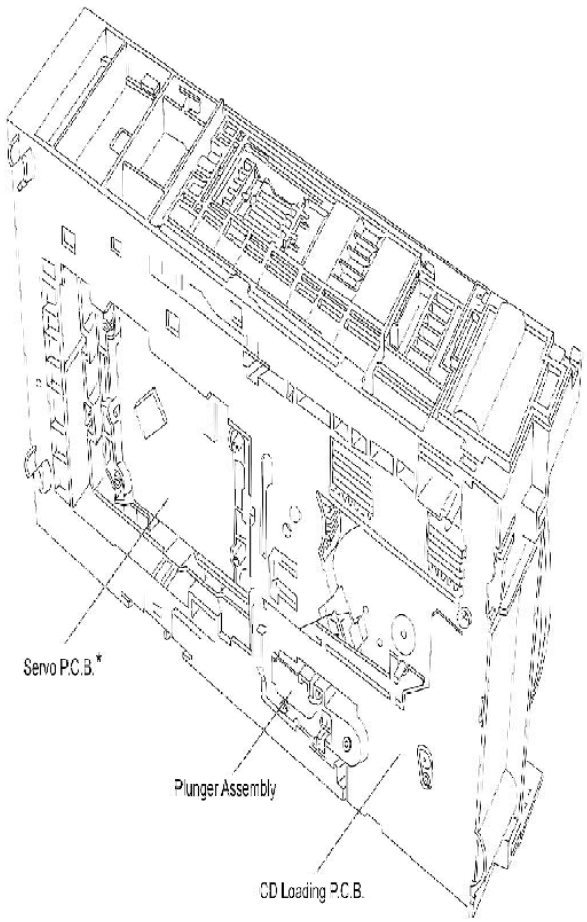


# 7. Operation Procedures

# 8. New Features

## 8.1. CRS1 Mechanism Overview






* Illustration for CD Servo P.C.B. (Applied models: SA-AK240/340/640 series)

### 8.1.1. General Feature

**- This is a five disc changer mechanism for CD/DVD. The outline figure is shown below.**

**- The mechanism has "CHANGE WHILE PLAY" function. It open other trays for disc exchanging while one tray is at PLAY position performing recording or reproducing.**

- The mechanism can quickly change all trays with "CHANGE ALL" function. All trays can be move to OPEN position with one operation.
- There is no sensor to indicate presence of disc on any tray.

### 8.1.2. Hardware composition

- Below is the hardware components of the mechanism

| Name | Function |
|---|---|
| Open Switch (OPEN-SW) | The switch is used to detect normal tray opening |
| | The switch is used for detect tray being manually push/trigger when full open |
| Home Switch (HOME-SW) | Is used to detect cam gear home position |
| Close Sensor (CLOSE-SENSOR) | Used for normal single tray closing |
| | Used to detect cam gear rotate to Play Driving position |
| Play Switch (PLAY-SW) | Detect TRV clamping complete position |
| Stocking Switch (STOCK-SW) | Detect tray completely transfer for play position to stocking positi |
| UD Sensor (UD-SENSOR) | Detect TRV vertical movement position |
| Top Switch (TOP-SW) | Detect a default position of TRV vertical movement position |
| Driver IC | To drive Motor |
| Motor | Main driving source for changer |
| Plunger | Switching the driving source from motor to:<br>1. Tray open/close<br>2. Drive tray to play/stock position and TRV vertical movemen |

### 8.1.3. Mechanism Operation

- This mechanism has the following state:

1. Driving of a tray to open/close
2. Up/down operation of a traverse performs a state changes of tray. By using the plunger to lift/release of a switching gear, and the cam gear to lift/release the function gear the motor can be link to several gear trains to perform various operations.

- The functions that can be perform in this mechanism are described as below:

| Condition | Explanation |
|---|---|
| Open current playing tray | The state to change current playing disc. All tray will be open at once and current tray at PLAY position will be expose. |
| Open All | The state where all trays being driven to OPEN position. The disc can be take in or out from tray to tray by close tray one by one from top to bottom. |
| Stock | The state where the trays are stored in STOCK position |
| Play | The state where one of the tray 5 trays is being driven to PLAY position and clamped by traverse unit |
| Play & Open Tray-* | The state where one of the tray is in playing position performing recording or reproducing, other trays can be used (OPEN position) for disc exchanging without stopping the recording or reproducing process. |
| Change | The state when one of the opened tray being driven from OPEN position to STOCK position and other opened trays remain still at OPEN position. |
| Close All | The state where all open trays will being driven from OPEN position to STOCI position, one by one from top to bottom |

### 8.1.4. New CD Mechanism (CRS1)

**Note:**

**This service manual does not contain the following information for the mention CD Mechanism drive:**

- **Schematic Diagram, Block Diagram and P.C.B. layout of CD Loading P.C.B.**
- **Part List for individual parts of the mechanism.**
- **Exploded View and Parts List for individual parts of the CD Mechanism drive.**

**Please refer to the original service manual (Order No. MD0509368C0) for the CD Mechanism Drive CRS1.**

## 8.2. Music Port

**With reference to page 15 of the operating instruction manual.**

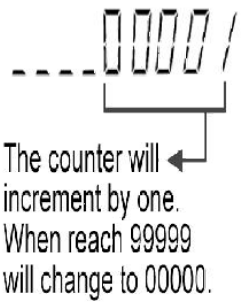
# 9. Self diagnosis and special mode setting

**This unit is equipped with functions for checking and inspecting namely: Self-Diagnostic and Test**

Mode.

## 9.1. Special Mode Table

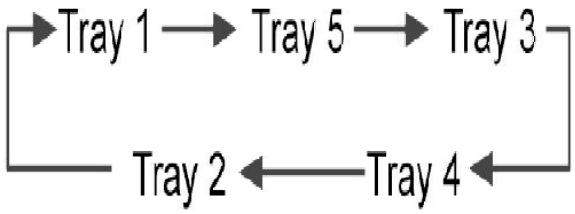
| Item | | FL Display | Key Operation |
|---|---|---|---|
| Mode Name | Description | | Front Key |
| Self - Diagnostic Mode | To enter into self diagnostic checking for main unit. | | 1. Select [<br>] for TAPE mode (Ensure no tape is inserted).<br>2. Press and hold [<br>button for 3 seconds follow by<br>[ ].<br>To exit, press<br>button on main unit or remote control. |
| CD Test Mode | To enter into checking the reliability of changer unit. | | 1. Select [ ] for CD mo<br>2. Press and hold [<br>button for 3 seconds follow by<br>[ ].<br>To exit, press<br>button on main unit or remote control. |
| CD Auto Adjustment | To check the CD auto adjustment result for FLOCK, TLOCK and CLVS. | | In CD Test Mode:<br>1. Press [0] button on the remote control.<br>To exit, press<br>button on main unit or remote control. |

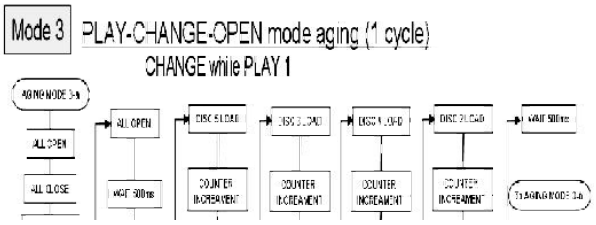
| Item | | FL Display | Key Operation |
|---|---|---|---|
| Mode Name | Description | | Front Key |
| CD Changer Reliability Test (CRS1) | To determine the reliability of CD Changer Unit. (For more information, refer to section 9.1.1) |   | In Self-Diagnostic Mode:<br>1. Select [ ] for CD mo<br>2. Press [ button.<br>To exit, press button on main unit or remote control. (The tray will return to PLAY position and then power off) |
| Doctor Mode | To enter into Doctor Mode for checking of various items and displaying EEPROM and firmware version. | 1.<br>2.<br>1. All segments will light up for 1 second.<br>2. The Check Sum of EEPROM and firmware version will be display.<br>* ROM correction<br>** Firmware version No: | In any mode:<br>1. Press [ ] butto on main unit follow by [4] and [7] on remote control.<br>To exit, press [ENTER] button on remote control or button on main unit or remote control. |
| Cold Start | To activate cold start upon next AC power up. | | In doctor mode:<br>1. Press [4] button on remote control.<br>To exit, press [ENTER] button on remote control or button on main unit or remote control. |
| Changer Reliability Test | To check the function operation of changer unit. (For more information, refer to 9.1.1) | | In doctor mode:<br>1. Press [DISC] on remote control.<br>To exit, press [ENTER] button on remote control or button on main unit or remote control. |

| Item | | FL Display | Key Operation |
|---|---|---|---|
| Mode Name | Description | | Front Key |
| FL Display Test | To check the FL segments display (All segments will light up and LED will blink at 0.5 second interval) | | In doctor mode:<br>1. Press [PROGRAM] button on remote contro |
| Tape Eject Test | To check on the tape eject function (For deck 1/2) | | In doctor mode:<br>1. Press [PROGRAM] button on remote contro |

### 9.1.1. CD changer unit ageing test mode

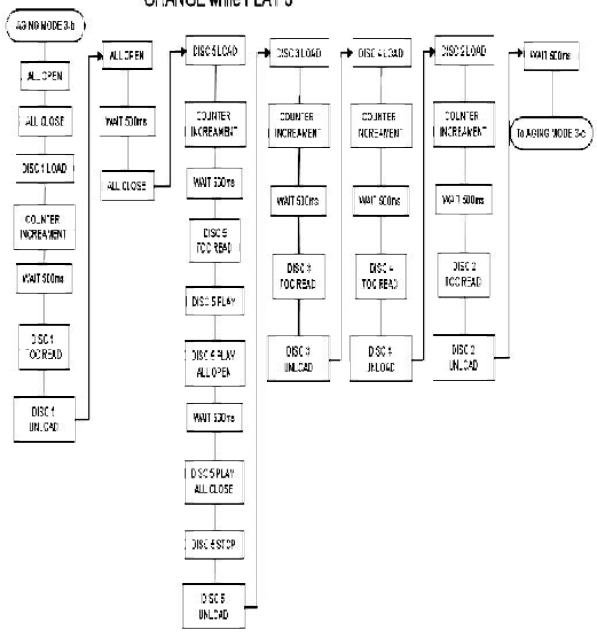
**Below is the process flow chart of ageing for the CD changer unit. (CRS1)**



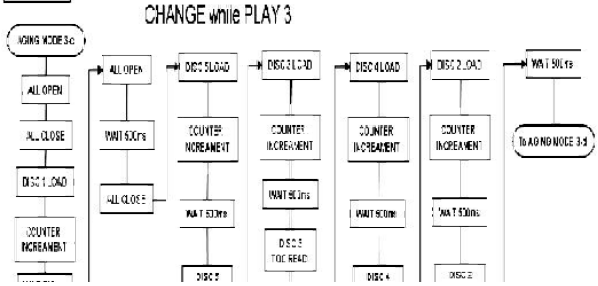
Mode 3 PLAY-CHANGE-OPEN mode aging (1 cycle)

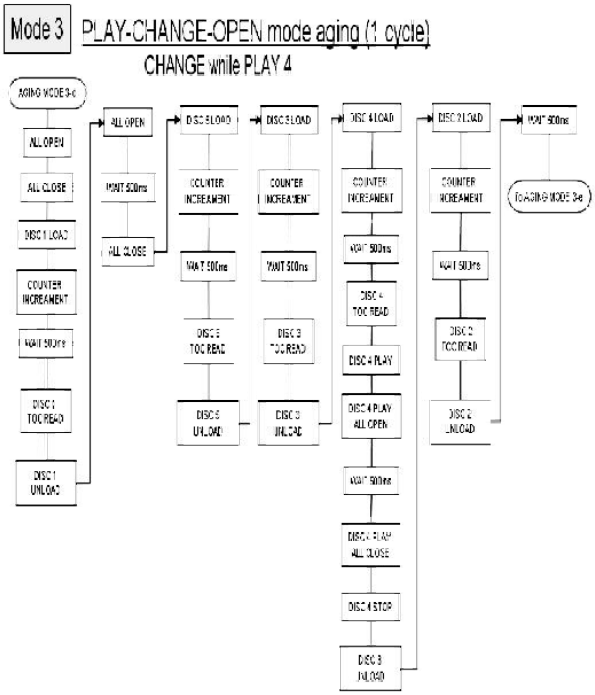
CHANGE while PLAY 5

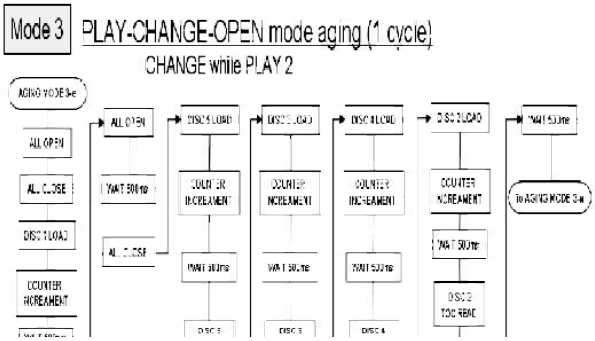



Mode 3 PLAY-CHANGE-OPEN mode aging (1 cycle)

CHANGE while PLAY 3






## 9.2. Error code Table

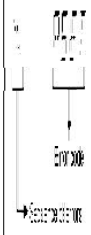
**Self-Diagnosis Function (refer Section 9.1) provides information on any problems occuring for the unit and its respective components by displaying the error codes. These error code such as U**, H** and F** are stored in memory and held unless it is cleared.**

**The error code is automatically display after entering into self-diagnostic mode.**

| Error Code | Diagnosis Contents | Description of error | Automatic FL Display | Remarks |
|---|---|---|---|---|
| H01 | Mode SW, plunger and capstan motor abnormal | | | For deck mechanism unit (F deck 1/2).<br><br>Press [<br>on main unit for next error. |
| H02 | Rec INH SW abnormal | | | For deck mechanism unit (F deck 2).<br><br>Press [<br>on main unit for next error. |
| H03 | HALF SW abnormal | | | For deck mechanism unit (F deck 1/2).<br><br>Press [<br>on main unit for next error. |
| F01<br><br><br><br>F02 | Reel pulse abnormal<br><br><br><br>TPS error | | <br> | For deck mechanism unit (F deck 1/2).<br><br>Press [<br>on main unit for next error. |
| F15 | RESET SW abnormal | REST SW: ON is not detected within the specified time. | | For CD unit (For Traverse).<br><br>Press [<br>on main unit for next error. |
| F26 | Transmission error between CD Servo LSI IC and microprocessor IC | When set to CD mode, the sense signal does not turn “Low”, a fail safe time after system command transmission is sent. | | For CD unit (For Traverse).<br><br>Press [<br>on main unit for next error. |
| F61 | Power Amp IC output abnormal | Upon power on, PCONT=HIGH, DCDET=L after checking LSI. | | For power.<br><br>Press [<br>on main unit for next error. |
| IHMS | Cam gear abnormality | Cam gear does not rotate to “HOME” position. | | For CD changer unit (CRS1)<br>Press [SINGLE CHANGE] on main unit for next error. |

| Error Code | Diagnosis Contents | Description of error | Automatic FL Display | Remarks |
|---|---|---|---|---|
| ICSL | Cam gear/gear units abnormal | Cam gear does not rotate to “PLAY” driving position and hence does not drive playing tray to “STOCK” position. | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| ISTK | Drive rack/gear assembly abnormal | The tray drive rack does not move to “STOCK” position. (Tray does not move to “STOCK” position) | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| IPLY | Drive rack/gear assembly abnormal | The tray drive rack does not move to “PLAY” position. (Tray does not move to “PLAY” position) | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| ITOP | UD assembly | UD Rack does not move to front direction. This lead to UD base not raise to top position. | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| IUDS | UD assembly | After TOP SW is detected, UD rack does not move into tray 1 position. | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| HOME | Cam gear/gear assembly abnormal | Cam gear does not move to “HOME” position under following conditions<br>1. After tray is load to “PLAY” position.<br>2. After tray is unload to “STOCK” position. | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| LOAD | Tray drive assembly abnormal | Tray unit does not move from “STOCK” to “PLAY” position | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |

| Error Code | Diagnosis Contents | Description of error | Automatic FL Display | Remarks |
|---|---|---|---|---|
| PDRV | Cam gear/gear assembly abnormal | Cam gear does not move from “HOME” to “PLAY” drive position. | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| UDU | UD base asssembly abnormal | UD Base assembly does not move upwards from tray 5 to tray 2 | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| UDD | UD base asssembly abnormal | UD Base assembly does not move downwards from tray 1 to tray 5. | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| UD1 | UD base asssembly abnormal | UD Base assembly does not move to tray 1. | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| F1NG | Fail - safe mode. (For open /close tray unit(s)) | When the tray open operation is performed, it fails to open. It will automatically close all trays after the time-out by the microprocessor. During this time when it fails, the error code will appear. | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| F2NG | Fail - safe mode. (For open /close tray unit(s)) | When the tray close operation is performed, it fails to close. It will automatically open all trays after the time-out by the microprocessor. During this time when it fails, the error code will appear. | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |
| SRVC_TRV | | | | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |

| Error Code | Diagnosis Contents | Description of error | Automatic FL Display | Remarks |
|---|---|---|---|---|
| RSET | Cam gear jam/ close sensor faulty | During tray re-open, the cam gear will rotate in the opposite direction to reset the cam gearposition. When it fails, the error code will appear. |  | For CD changer unit (CRS1) Press [SINGLE CHANGE] on main unit for next error. |

**CRS1 Error Code display**

**1. The errors that occured in CRS1 Mechanism can be recalled and displayed, in the order of the occurence under self-diagnostic (Refer to Section 9.1.1 for procedures to enter this mode.**

**- Only the first 5 errors will be memorized (in backup memory). The subsequence error shall be ignored and not memorize.**
**For system with EEPROM as memory backup,memory space in EEPROM is neccesary.**

**2. To display all error code memorized**
**In CRS1 Self-Diagnostic mode, press [SINGLE CHANGE] to display subsequence error code.**
**It shall repeat after reaching error no. 5.**
**e.g.:**
**[1 _ _ _ _ I H M S] [SINGLE CHANGE]**
**[2 _ _ _ _ I T O P] [SINGLE CHANGE]**
**[3 _ _ _ _ H O M E] [SINGLE CHANGE]**
**[4 _ _ _ _ L O A D] [SINGLE CHANGE]**
**[5 _ _ _ _ _ U D D] [SINGLE CHANGE]**

**3. To clear the error code memory**
**In CRS1 Self-Diagnostic mode, long press [SINGLE CHANGE] key (2s or more)**

# 10. Assembling and Disassembling

## 10.1. Caution

**Special Note:**
**This model uses a new CD changer unit CRS1. In this following section does not contain the necessary disassembly & assembly information for the CD changer unit (CRS1) except the disasembly & assembly of traverse unit. Kindly refer to the original service manual for the CD changer unit. (Order No. MD0509368C0).**

**“ATTENTION SERVICER”**
**Some chassis components may have sharp edges. Be careful when disassembling and servicing.**

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures. / Special reassembly procedures are described only when required.**
3. **Select items from the following index when checks or replacement are required.**
4. **Refer to the Parts No. on the page of “Parts Location and Replacement Parts List” (Section 22), if necessary.**

**Caution:**
**After replacing of CD Changer Unit, ageing test is necessary. Please confirm operation for CD Changer Unit.**

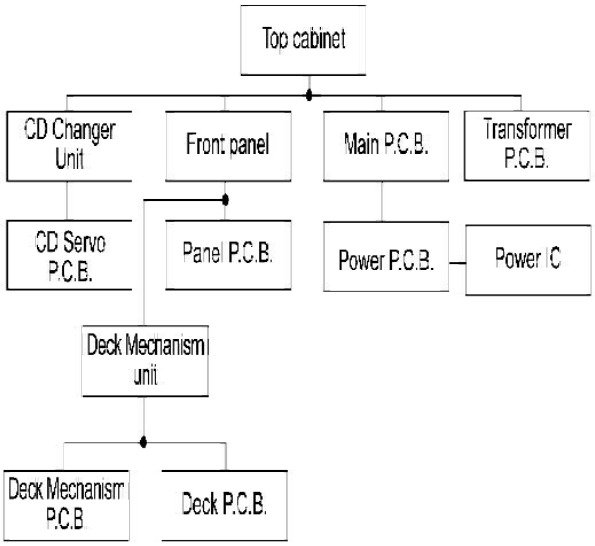
**Below is the list of disassembly sections**

- **Disassembly of Top Cabinet**
- **Disassembly of Rear Panel**
- **Disassembly of CD Changer Unit**
- **Disassembly of Main P.C.B.**
- **Disassembly of Transformer P.C.B.**
- **Disassembly of Power P.C.B.**
- **Disassembly of Front Panel Unit**
- **Disassembly of Panel P.C.B.**
- **Disassembly of Deck Mechanism Unit**
- **Disassembly for Deck P.C.B.**
- **Disassembly of Traverse Unit**
- **Disassembly of Optical Pickup Unit (CD Mechanism)**
- **Disassembly of Deck Mechanism**

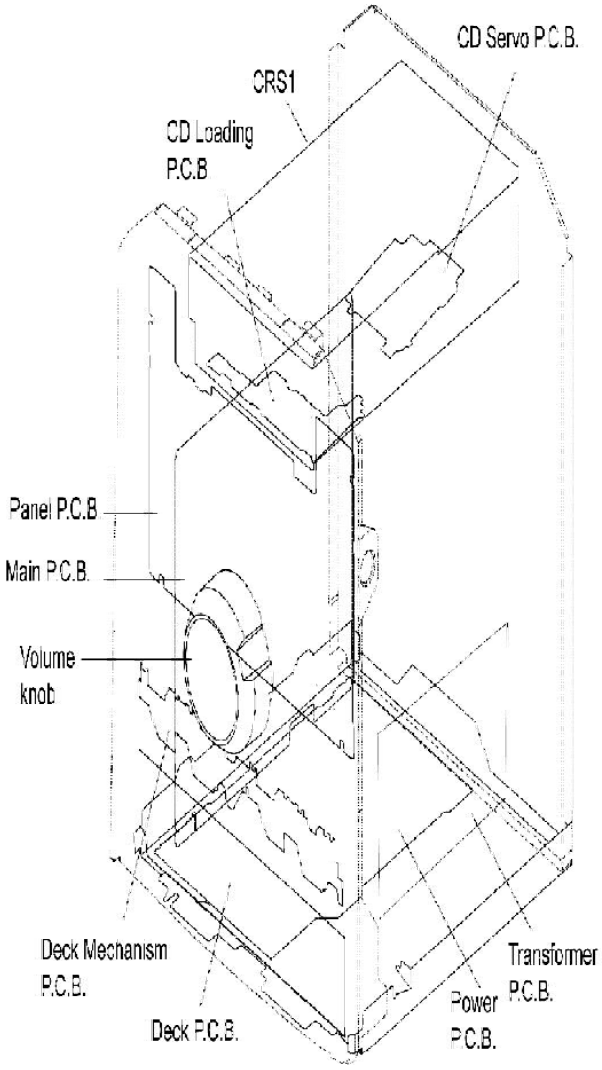
- Replacement for cassette lid
- Rectification for tape jam problem

## 10.2. Disassembly flow chart

**The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.**
**To assemble the unit, reverse the steps shown in the chart as below.**




## 10.3. Main Parts Location




## 10.4. Disassembly of Top Cabinet

**Step 1 Remove 3 screws at each side and 5 screws at rear panel.**
**Step 2 Lift up both sides of the top cabinet, push the top cabinet towards the rear to remove the top cabinet.**

## 10.5. Disassembly of Rear Panel

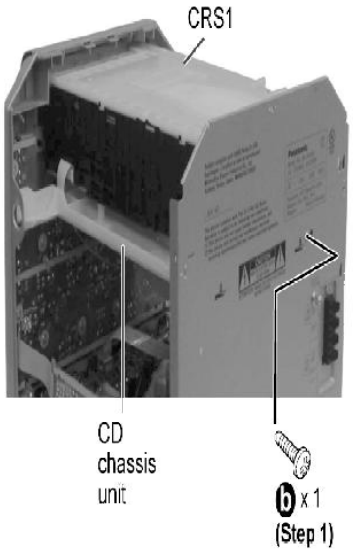
### - Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet

**Step 1 Remove 5 screws.**
**Step 2 Disconnect cable CN2810 (Fan) at Main P.C.B..**
**Step 3 Remove rear panel.**

## 10.6. Disassembly of CD Changer Unit (CRS1)

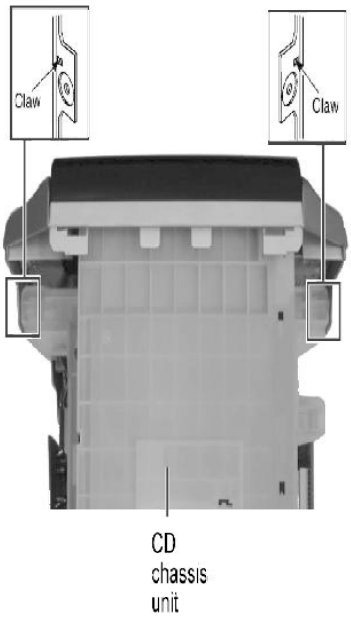
## - Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet

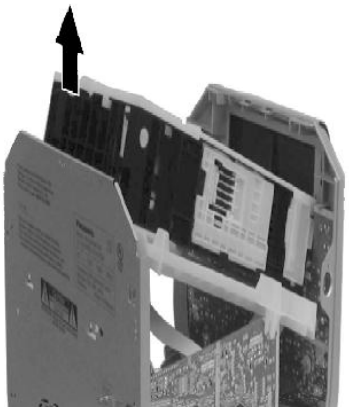
**Step 1 Remove 1 screw at rear panel.**




**Step 2 Detach the FFC cables (CN2801 & CN2805).**

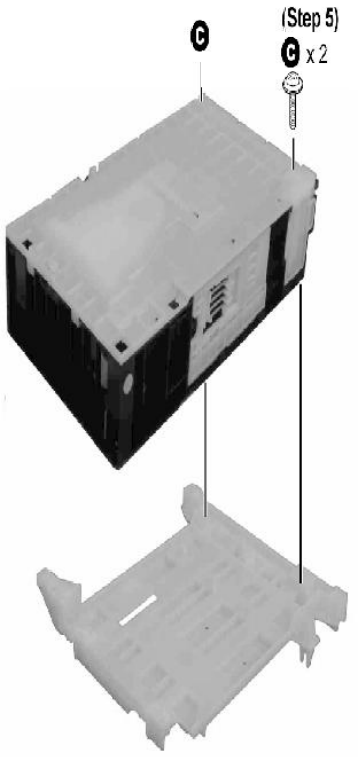
**Step 3 Release the claws on both ends.**



**Step 4 Lift the CD changer unit upwards to remove it.**

## - Disassembly of Mecha Chassis

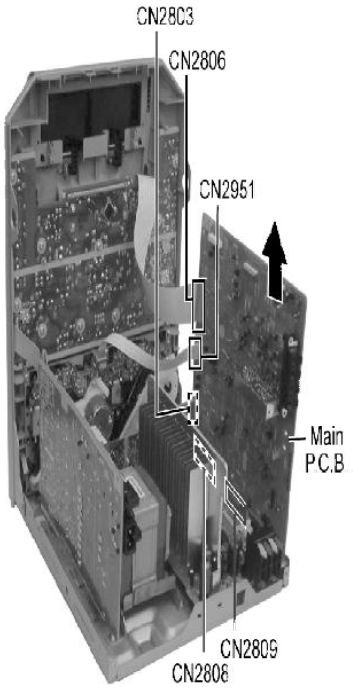



**Step 5 Remove 2 screws.**
**Step 6 Remove the Mecha Chassis.**
**Note:**
**For disassembly & assembly of traverse unit, please refer to section 10.14 of this service manual.Please refer to original Service Manual for the Disassembly and Assembly of the CD Changer Unit (CRS1).**

## 10.7. Disassembly of Main P.C.B.

**- Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet**
**- Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer Unit**
**- Follow the (Step 1) - (Step 3) of Item 10.5 - Disassembly of Rear Panel**

**Step 1 Disconnect FFC cables (CN2803, CN2806 and CN2951).**

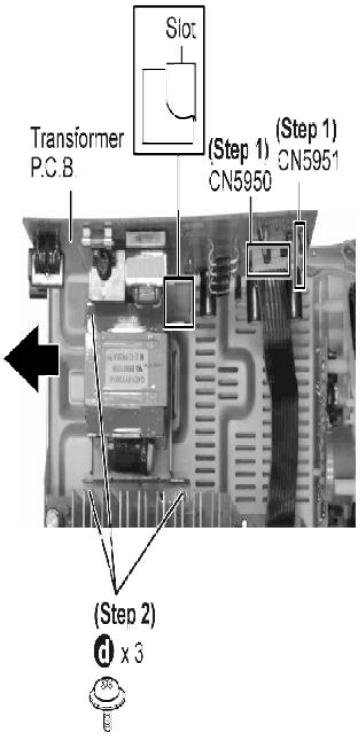



**Step 2 Detach connectors (CN2808 & CN2809).**
**Step 3 Remove Main P.C.B..**

## 10.8. Disassembly of Transformer P.C.B.

**- Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet**
**- Follow the (Step 1) - (Step 3) of Item 10.5 - Disassembly of Rear Panel**
**- Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer Unit**

**Step 1 Disconnect connectors (CN5950 & CN5951).**
**Step 2 Remove 3 screws (Mounting screws for transformer to bottom chassis).**




**Step 3 Push the Transformer P.C.B. sidewards to remove it.**

## 10.9. Disassembly of Power P.C.B.

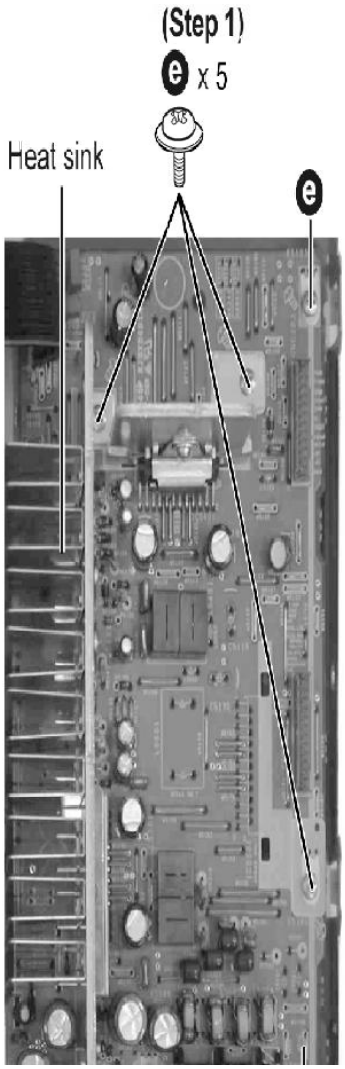
**- Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet**

**- Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer Unit**

**- Follow the (Step 1) - (Step 3) of Item 10.5 - Disassembly of Rear Panel**

**- Follow the (Step 1) - (Step 3) of Item 10.7 - Disassembly of Main P.C.B.**

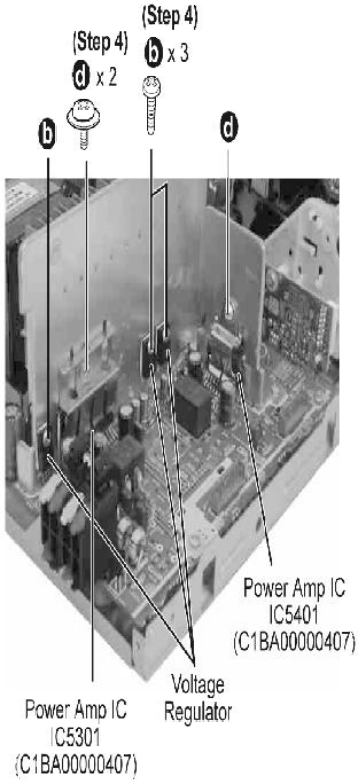
**Step 1 Remove the 5 screws on Power P.C.B..**



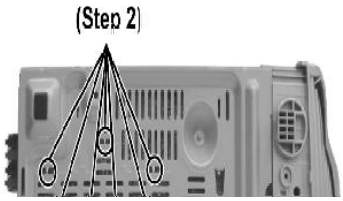

**Step 2 Detach cable (CN5950) remove the 5 screws on Power P.C.B..**
**Step 3 Remove Power P.C.B..**
**Note:**
**Insulate the Power P.C.B. with insulation material to avoid short circuit.**

## - Replacement of the Power Amp IC or Voltage Regulator

**Step 4 Remove 2 screws at the Power Amp IC and/or 3 screws to Voltage Regulator.**




**Step 5 Cut the joints with a metal cutter as shown below.**




**Step 6 Desolder the terminals to replace the components.**

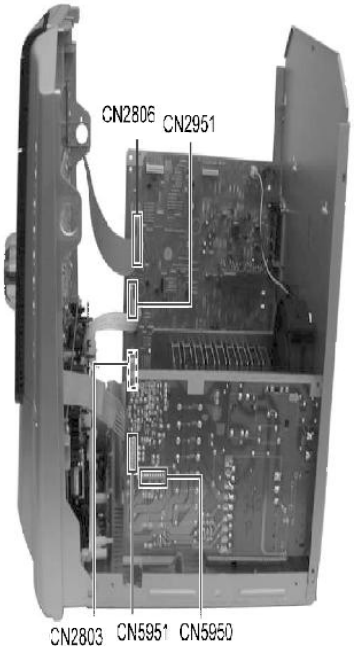
**Step 7 Fix back the cut portion with a screw as shown.**

## 10.10. Disassembly of Front Panel Unit

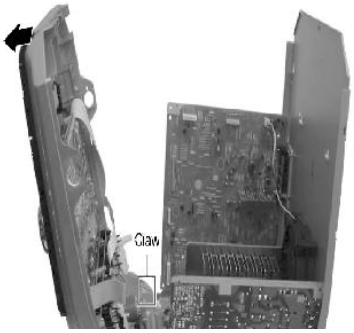
**- Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet**

**- Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer Unit**

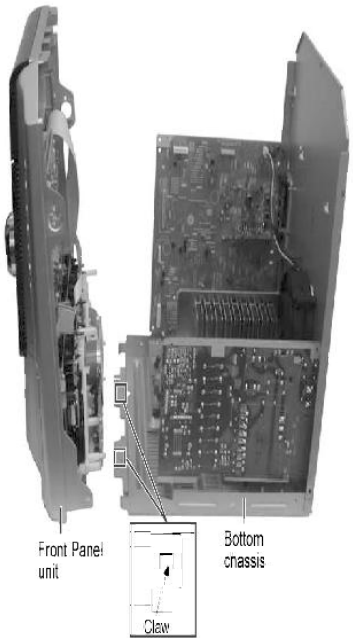
**Step 1 Disconnect connectors (CN2803, CN2806, CN2951, CN5950 & CN5951).**




**Step 2 Bent the front panel unit slightly forward as arrow shown.**




**Step 3 Release 2 claws outwards.**




**Step 4 Remove the front panel unit.**

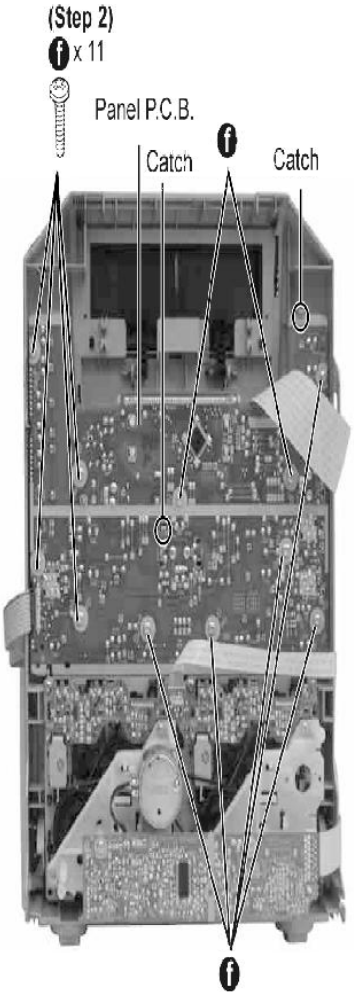
**Note: Ensure 2 claws located at the bottom chassis is seated into the 2 slots at bottom of front panel at 2 catches (one on each side) of bottom chassis to be aligned to front panel's slot. Assembly is secured upon hearing clicking sound.**

## 10.11. Disassembly for Panel P.C.B.

- **Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet**
- **Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer Unit**
- **Follow the (Step 1) - (Step 4) of Item 10.10 - Disassembly of Front Panel Unit**

**Step 1 Remove the volume knob.**

**Step 2  Remove 11 screws.**




**Step 3 Release 2 catches.**
**Step 4 Remove Panel P.C.B..**

### 10.11.1. Disassembly of Lid

**Step 1 Lift the spring sideward.**

**Step 2 Remove Lid.**
**Note: Do not misplace the spring.**

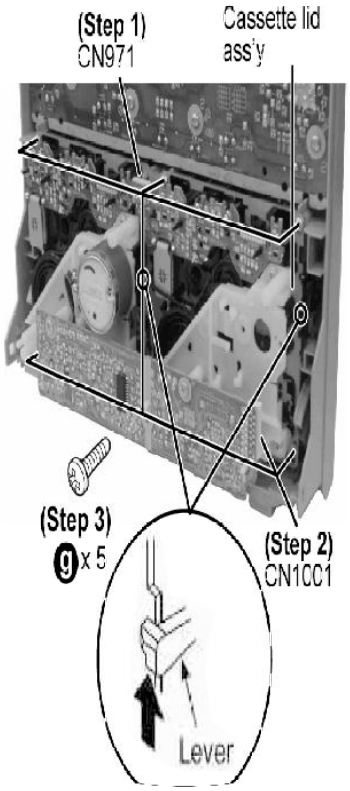
## 10.12. Disassembly of Deck mechanism unit

**- Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet**
**- Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer**

## Unit

## - Follow the (Step 1) - (Step 4) of Item 10.10 - Disassembly of Front Panel Unit

**Step 1 Detach FFC cable (CN971).**
**Step 2 Disconnect FFC cable (CN1001).**
**Step 3 Remove the 5 screws.**



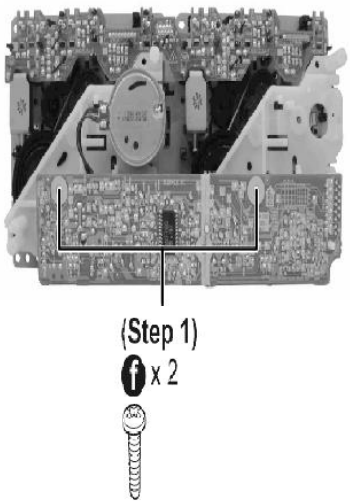

**Step 4 Push the lever upward, and then open the cassette lid ass'y (For DECK1 and DECK2).**

**Step 5 Tilt the cassette mechanism unit in the direction of arrow (1), and then remove it in the direction of arrow (2).**
**Note: For disassembly of parts for deck mechanism unit, refer to Section 10.15.**

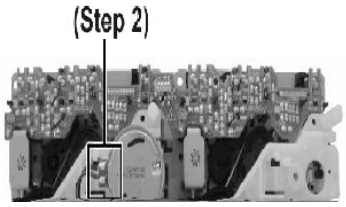
## 10.13. Disassembly of Deck P.C.B.

- Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet
- Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer Unit
- Follow the (Step 1) - (Step 4) of Item 10.10 - Disassembly of Front Panel Unit

**Step 1 Remove 2 screws.**




**Step 2 Desolder wire at deck motor terminals (W1002).**

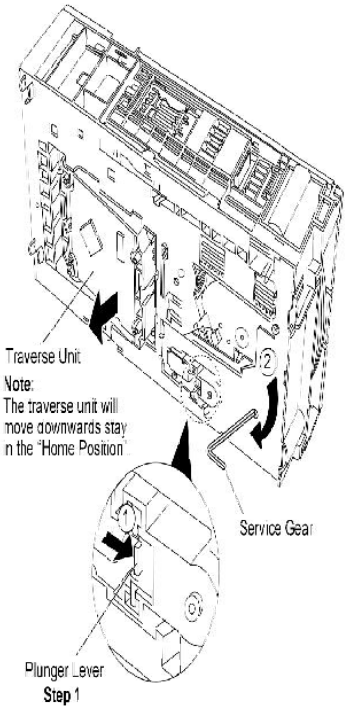



**Step 3 Remove Deck P.C.B.**

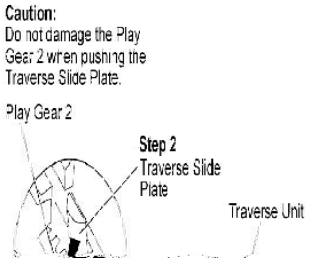
## 10.14. Disassembly of Traverse Unit

- Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet
- Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer Unit

**Important notes: Ensure all the trays are in the “STOCK” position before proceeding to the disassemble of traverse unit. For procedures to set the trays in “STOCK” position, please refer to (7. Disassembling Procedure When Tray In Play Position)**

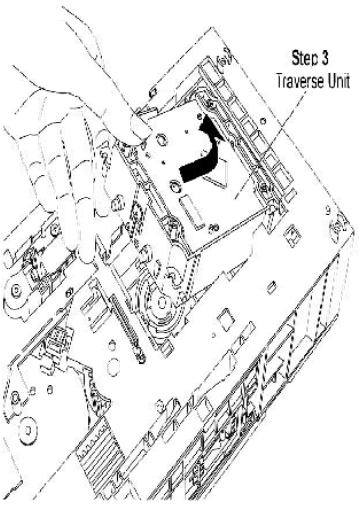



**Step 1: Press and hold the plunger lever and rotate the gear as arrows shown until it stop.**



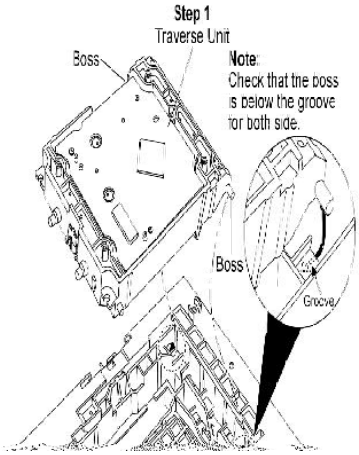

**Step 2: Push the traverse slide plate as arrow shown to release the traverse unit.**

**Caution: Do not exert strong force on the traverse slide plate.**

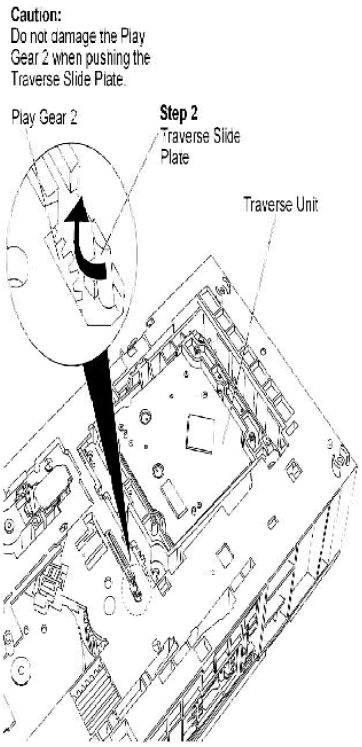



**Step 3: Remove the traverse unit as arrow shown.**

## - Assembly of Traverse Unit




**Step 1: Turn over the unit and install the traverse unit.**


Caution:
Do not damage the Play Gear 2 when pushing the Traverse Slide Plate.
Play Gear 2
Step 2
Traverse Slide Plate
Traverse Unit

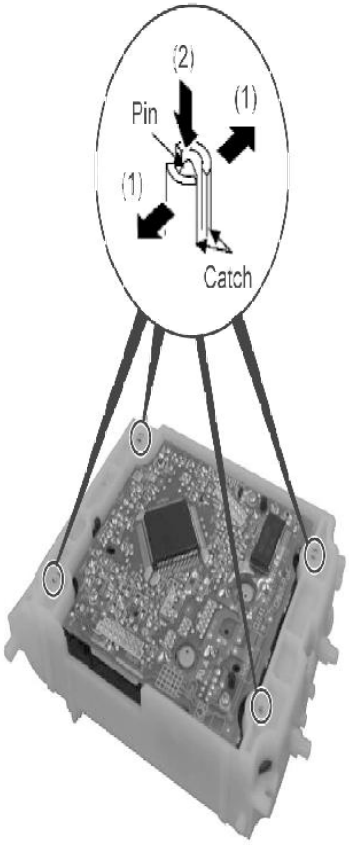
**Step 2: Push the traverse slide plate as arrow shown to lock the traverse unit.**

## 10.15. Disassembly of optical pickup unit (CD mechanism)

**- Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet**

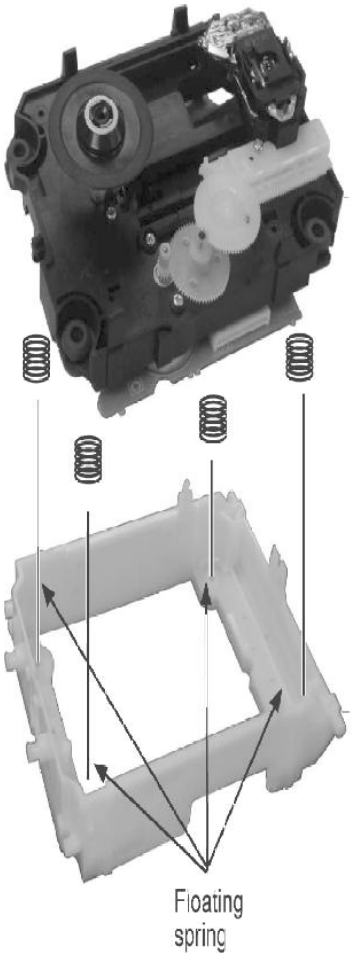
**- Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer Unit**

**Step 1 Pull out FFC.**

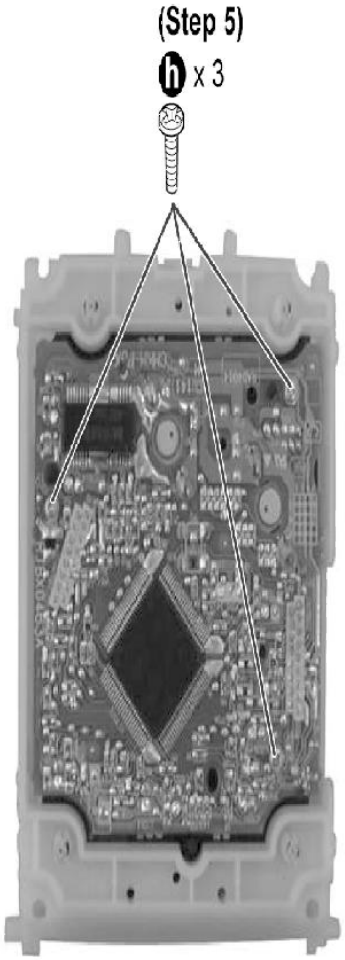



**Step 2 Widening the catch, push the pin in.**

**Step 3 Remove 4 pins.**

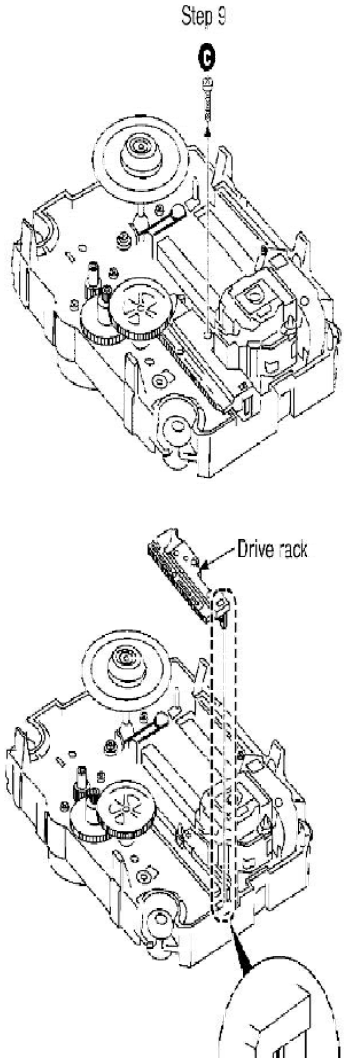



**Step 4 Remove the traverse deck.**
**Note: As floating springs (4 pieces) come off at the same time, be careful not to lose them.**

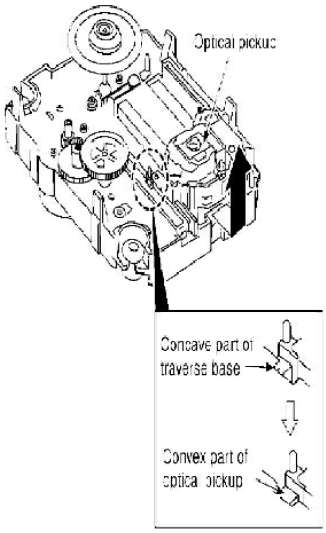


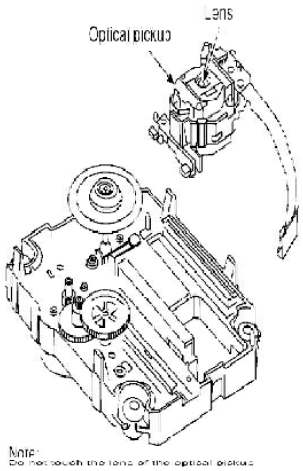

**Step 5 Remove 3 screws.**
**Step 6 Remove the CD Servo P.C.B. and turn it over.**
**Note: Insert a short pin into FFC of the optical pickup.**
**Step 7 Rotate the traverse deck (B) to the arrow direction and shift the optical pickup to the furthest backward.**

**Step 8 Remove the catch of the drive rack, and take out the drive rack.**




**Step 9 Place the convex part of an optical pickup to the concave part of a traverse base, then take out the optical pickup.**




## 10.16. Disassembly of deck mechanism

**- Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet**

**- Follow the (Step 1) - (Step 4) of Item 10.6 - Disassembly of CD Changer Unit**

**- Follow the (Step 1) - (Step 4) of Item 10.10 - Disassembly of Front Panel Unit**

**- Follow the (Step 1) - (Step 5) of Item 10.12 - Disassembly of Deck Mechanism Unit**

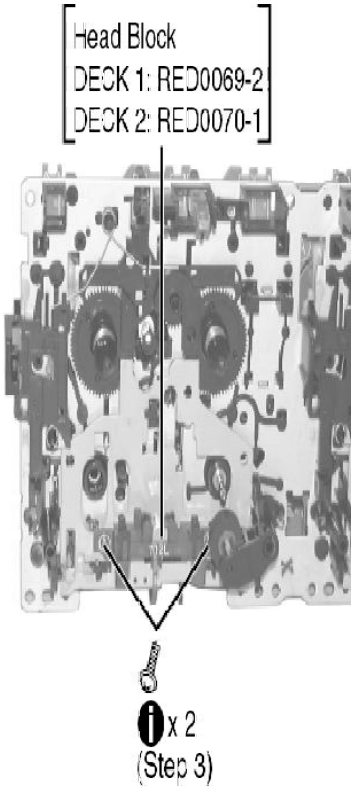
### 10.16.1. Disassembly of the pinch roller ass'y and head block

*** The mechanism as shown below is for DECK1. For DECK 2, perform the same procedures.**

```
NOTATION PUBLIC "-//ALDUS//NOTATION TAGGED IMAGE FILE FORMAT//EN"
ENTITY SYSTEM "121.tif"
```

**Step 1 Release the catch, and then remove the pinch roller (F).**

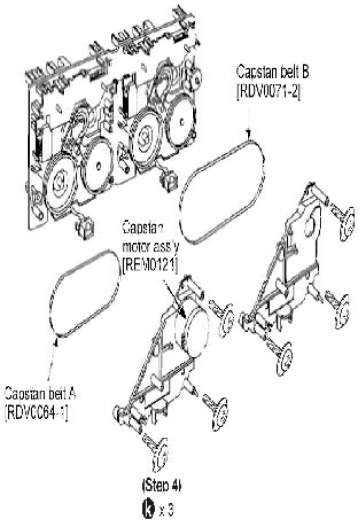
**Step 2 Release 2 claws and detach the head block connector.**



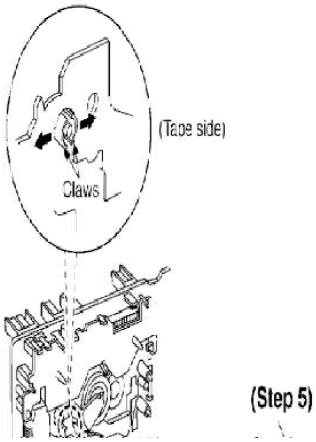

**Step 3 Remove 2 screws.**
**Step 4 Remove head block.**

## 10.16.2. Disassembly of capstan motor ass'y, capstan belt A, capstan belt B and winding belt

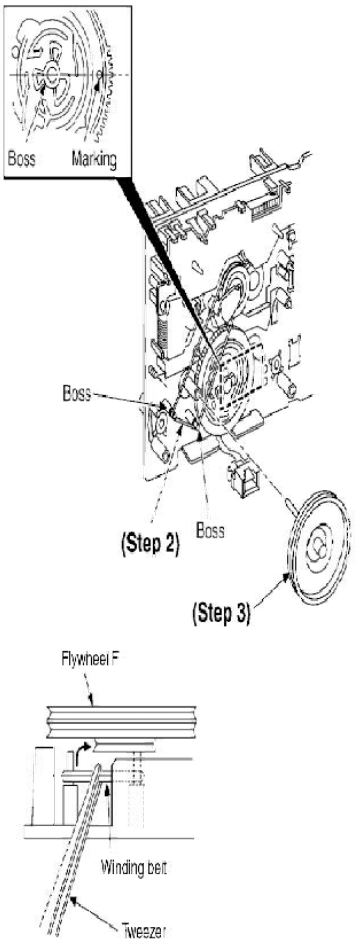
**Step 1 Detach the head block connector (Deck P.C.B.).**
**Step 2 Desolder wire(W1002) at motor assembly.**
**Step 3 Remove Deck P.C.B.**




**Step 4 Remove 3 screws (for deck 1 & 2).**
**Step 5 Remove capstan belt A/B.**



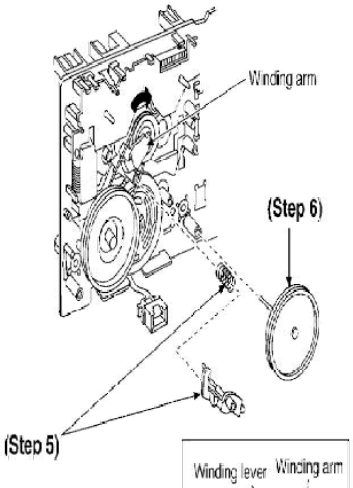

**Step 6 Remove the flywheel R.**
**Step 7 Release the claw and remove the winding lever and spring.**
**[Installation of the belt]**
**Step 1 The boss and marking should be positioned horizontally.**

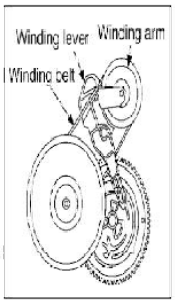






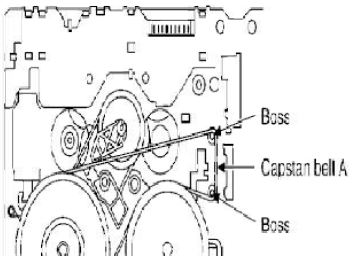
**Step 2 Put the winding belt on the pulley temporarily.**
**Step 3 Install the flywheel F.**
**Step 4 Put the winding belt on the flywheel F.**
**Step 5 Install the winding lever and spring while pressing the winding arm in the direction of arrow.**
**Step 6 Install the flywheel R.**



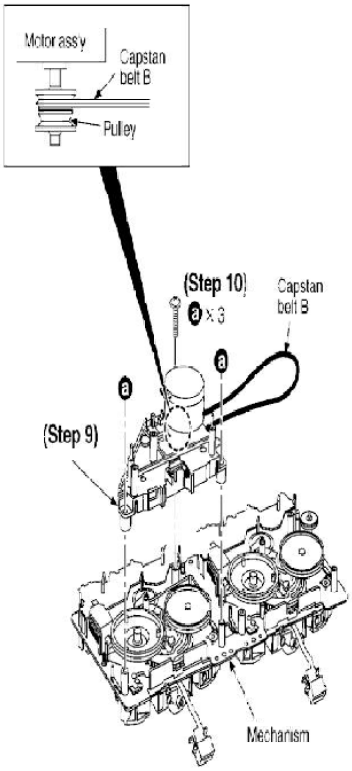




**NOTE:**
The winding lever should be positioned as shown below.

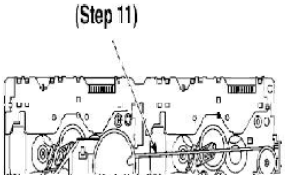
**Step 7 Put the capstan belt A temporarily as shown below.**




**Step 8 Put the capstan belt B on the motor ass'y pulley.**
**Step 9 Install the sub chassis to the mechanism, and then tighten screws.**




**Step 10 Install 3 screws.**
**Step 11 Put the capstan belt B as shown below.**

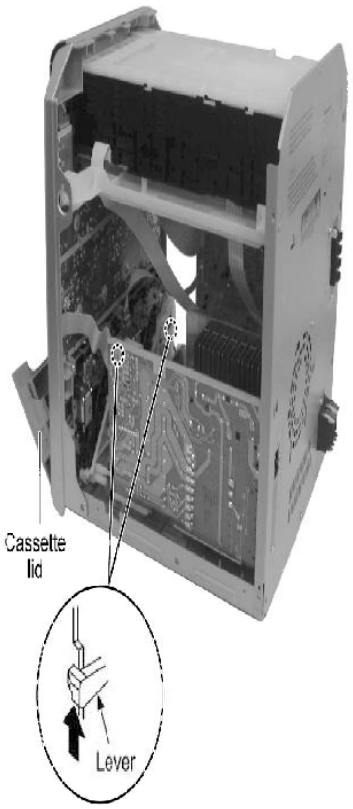



**Step 12 Put the capstan belt A on the motor ass'y pulley.**

## 10.17. Replacement for cassette lid

### - Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet

**Step 1 Lift up the lever upward, open the cassette deck. (For DECK1 and DECK2)**

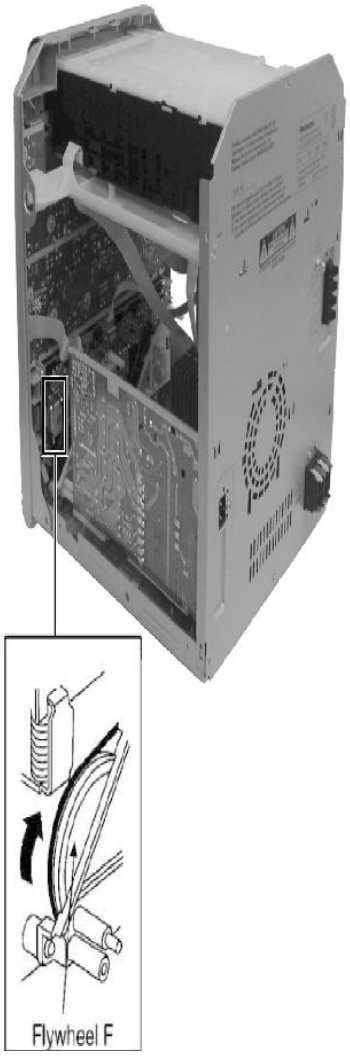



**Step 2 Push up the cassette lid (L/R) in the direction of arrow. (For DECK1 and DECK2).**

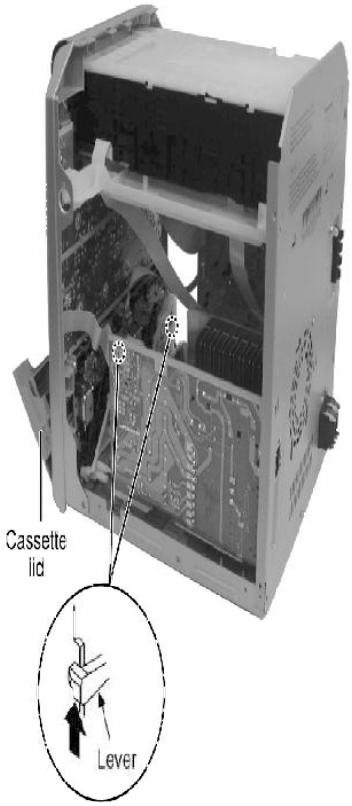
## 10.18. Rectification for tape jam problem

### - Follow the (Step 1) - (Step 2) of Item 10.4 - Disassembly of Top Cabinet

**Step 1 If a cassette tape cannot be removed from the deck (the tape is caught by the capstan or pinch roller during playback or recording), rotate the flywheel F in the direction of the arrow to remove it.**




**Step 2 Push the lever upward and open the cassette lid. Remove the cassette tape.**



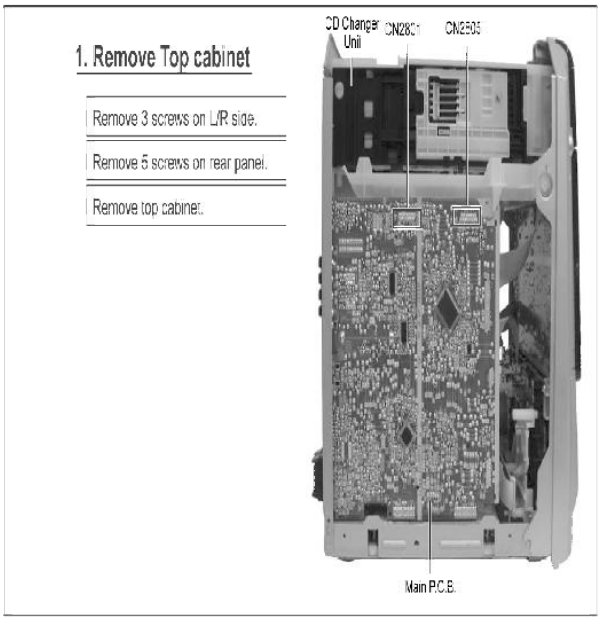

# 11. Service Fixture and Tools

| Service Tools | |
|---|---|
| **Extension FFC** | |
| **(A) Deck P.C.B. - Main P.C.B.** | **REEX0485 (14 Pins)** |
| **(B) Panel P.C.B. - Deck Mechanism P.C.B.** | **REEX0484 (10 Pins)** |

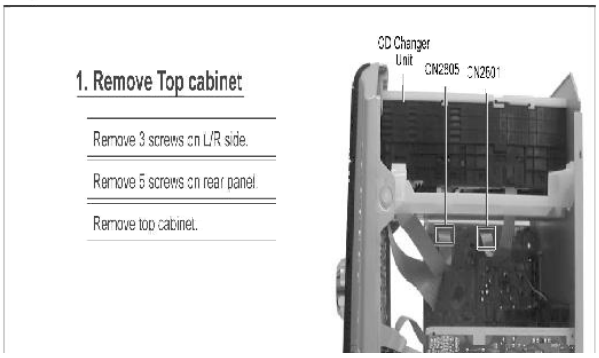
# 12. Service Positions

**Note: For description of the disassembly procedures, see the Section 10.**

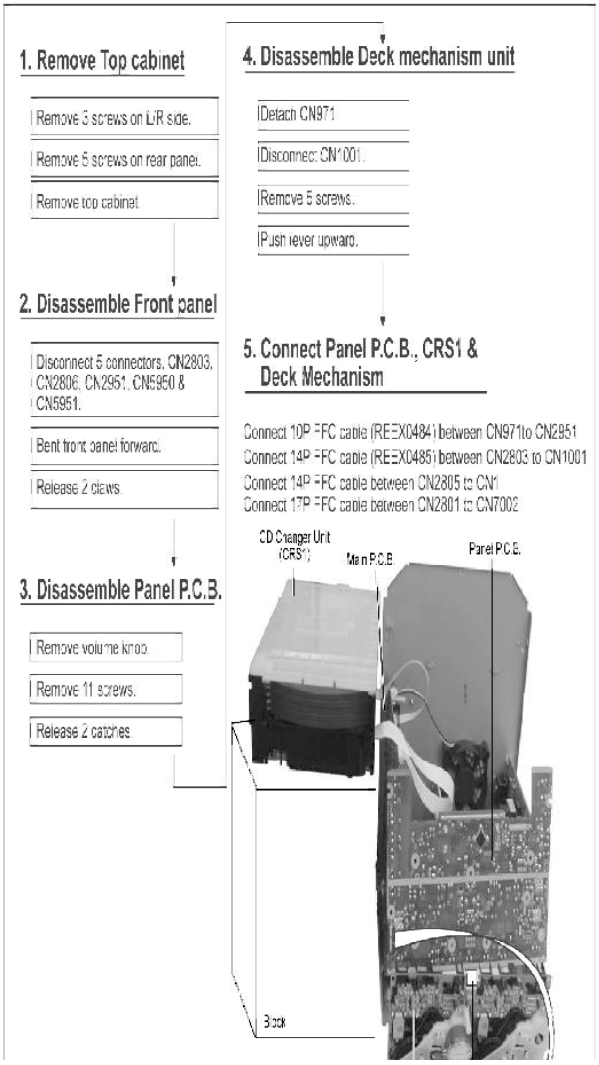
## 12.1. Checking and Repairing of Main P.C.B.



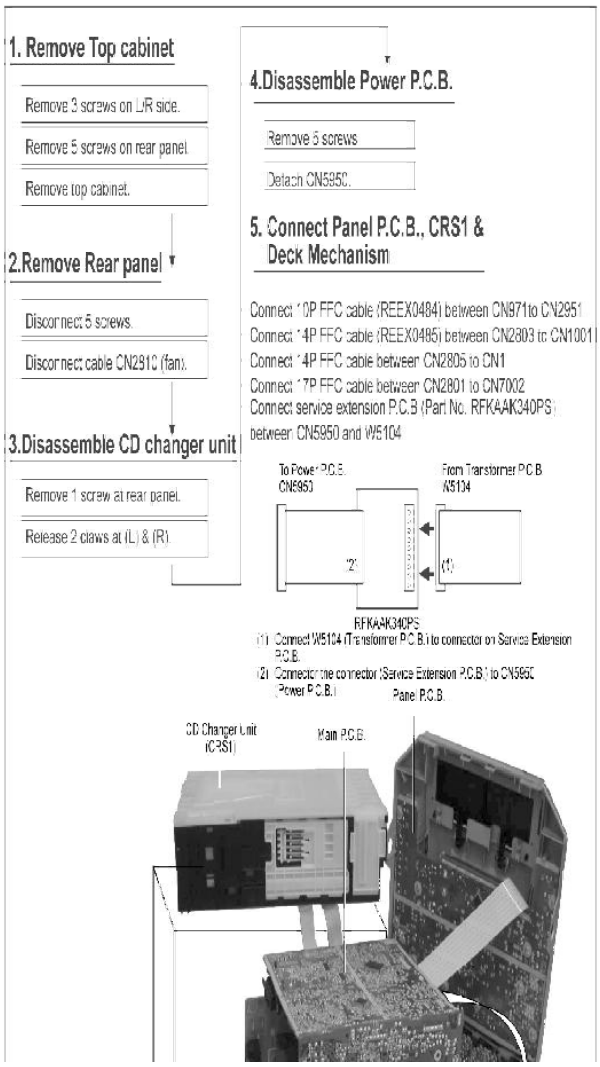

## 12.2. Checking and Repairing of Transformer P.C.B.




## 12.3. Checking and Repairing of Panel, Deck & Deck Mechanism P.C.B.


1. Remove Top cabinet
Remove 3 screws on L/R side.
Remove 5 screws on rear panel.
Remove top cabinet.
2. Disassemble Front panel
Disconnect 5 connectors, CN2803, CN2806, CN2951, CN5950 & CN5951.
Bent front panel forward.
Release 2 claws.
3. Disassemble Panel P.C.B.
Remove volume knob.
Remove 11 screws.
Release 2 catches.
4. Disassemble Deck mechanism unit
Detach CN971.
Disconnect CN1001.
Remove 5 screws.
Push lever upward.
5. Connect Panel P.C.B., CRS1 & Deck Mechanism
Connect 10P FFC cable (REEX0484) between CN971to CN2851
Connect 14P FFC cable (REEX0485) between CN2803 to CN1001
Connect 14P FFC cable between CN2805 to CN1
Connect 17P FFC cable between CN2801 to CN7002
CD Changer Unit (CRS1)
Main P.C.B.
Panel P.C.B.
Block

## 12.4. Checking and Repairing of Power P.C.B.


1. Remove Top cabinet
Remove 3 screws on L/R side.
Remove 5 screws on rear panel.
Remove top cabinet.
2.Remove Rear panel
Disconnect 5 screws.
Disconnect cable CN2910 (fan).
3.Disassemble CD changer unit
Remove 1 screw at rear panel.
Release 2 claws at (L) & (R).
4.Disassemble Power P.C.B.
Remove 5 screws.
Detach CN5950.
5. Connect Panel P.C.B., CRS1 & Deck Mechanism
Connect 10P FFC cable (REEX0484) between CN971 to CN2951.
Connect 14P FFC cable (REEX0485) between CN2803 to CN1001.
Connect 14P FFC cable between CN2805 to CN1.
Connect 17P FFC cable between CN2801 to CN7002.
Connect service extension P.C.B (Part No. RFKAAK340PS) between CN5950 and W5104.
To Power P.C.B. CN5950
From Transformer P.C.B. W5104
(2)
(1)
RFKAAK340PS
(1) Connect W5104 (Transformer P.C.B.) to connector on Service Extension P.C.B.
(2) Connect the connector (Service Extension P.C.B.) to CN5950 (Power P.C.B.)
Panel P.C.B.
CD Changer Unit (CRS1)
Main P.C.B.

# 13. Measurements and Adjustments

## 13.1. Cassette Deck Section

**- Measurement Condition**

**- Reverse-mode selector switch:**
**- Deck Tape Select: NORMAL**
**- Make sure head, capstan and press roller are clean.**
**- Judgeable room temperature 20 ± 5 °C (68 ± 9°F)**

- Measuring instrument
- EVM (DC Electronic voltmeter)
- Digital frequency counter
- Test Tape
- Tape speed gain adjustment (3 kHz, -10 dB); QZZCWAT

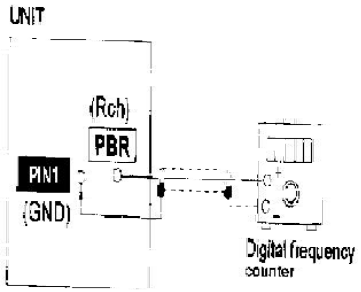
### 13.1.1. Tape Speed Adjustment (Deck 1/2)

1. Insert the test tape (QZZCWAT) to DECK 2 and playback (FWD side) the middle portion of it.
2. Adjust Motor VR (DECK 2) for the output value shown below.

| |
|---|
| Adjustment target: 2910 ~ 3090 Hz (NORMAL speed) |

3. After alignment, assure that the output frequency of the DECK 1 FWD are within ±60 Hz of the value of the output frequency of DECK 2 FWD.

Fig. 1



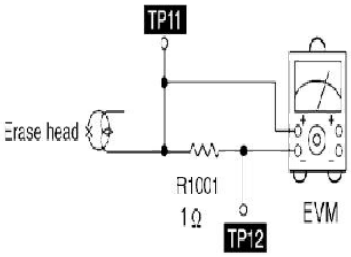

### 13.1.2. Bias Voltage Check

1. Set the unit “AUX” position.
2. Insert the Normal blank tape (QZZCRA) into DECK 2 and the unit to “REC” mode (use “ REC/STOP” key).
3. Measure and make sure that the output is within the standard value.

Bias voltage for Deck 2 14±4mV (Normal)

Fig. 2

Fig. 3

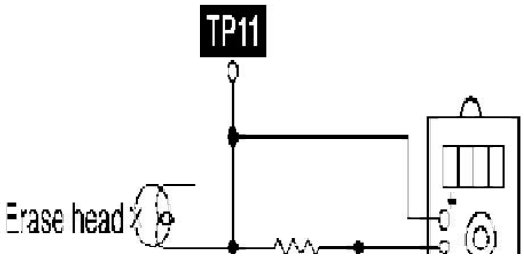



### 13.1.3. Bias Frequency Adjustment (Deck 1/2)

1. **Set the unit to "AUX" position.**
2. **Insert the Normal blank tape (QZZCRA) into DECK 2 and set the unit to "REC" mode ( ● use "REC/STOP" key).**
3. **Adjust L1002 so that the output frequency is within the standard value as below.**

| |
|---|
| **Standard Value: 89 ~ 110 kHz** |

**Fig. 4**




#### 13.1.3.1. Cassette Deck Section

**Below is the locations of test points for Deck P.C.B.:-**

## 13.2. Tuner Section

**This section include details on the alignment of AM-IF and AM RF adjustment.**

### 13.2.1. AM-IF Alignment

1. **Set up the equipments as shown in Fig. 5.**

2. Select [TUNER] mode on selector and set to [AM] mode.
3. Apply signal as shown in Fig. 5 from AM-SG.
4. Adjust Z2602 accordingly so that the output frequency is maximized at 450kHz in Fig. 6.

Fig. 5

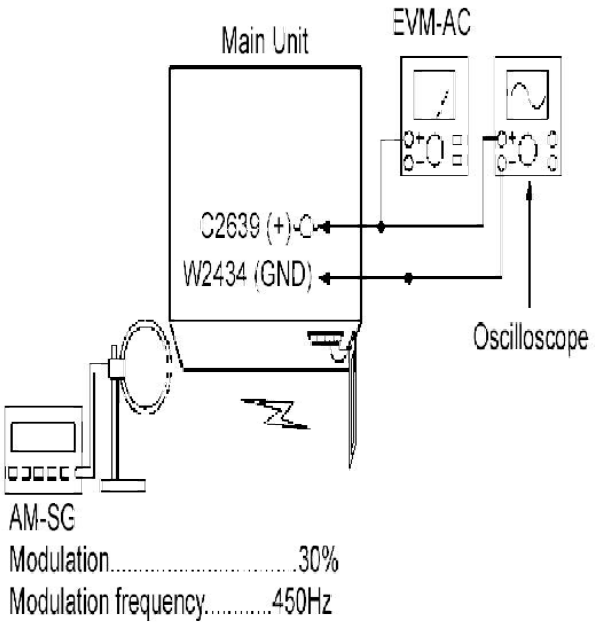


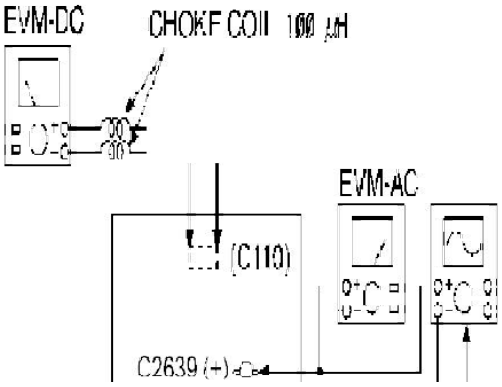

Fig. 6

### 13.2.2. AM RF Adjustment

1. Set up the equipments as shown in Fig. 7.

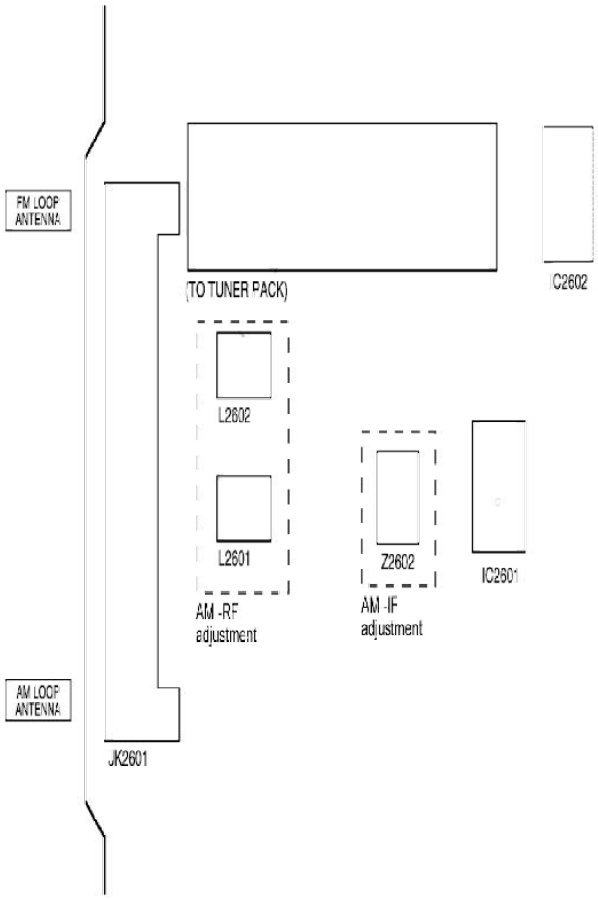
2. Select [TUNER] on selector and set to [AM] mode.
3. Set AM-SG to 520kHz.
4. Receive 520kHz in the unit.
5. Adjust L2601 (OSC) so that the EVM-AC is maximized.
6. Set AM-SG to 600Hz.
7. Receive 600Hz in the unit.
8. Adjust L2601 (ANT) so that the EVM-SG is maximized.
9. Set AM-SG to 520kHz.
10. Receive 520kHz in the unit.
11. Adjust L2602 (OSC) so that the EVM-DC value is with 1.1±0.5V.

Fig. 7




### 13.2.3. Adjustment Point

**Below is the locations of alignment points on the Main (Tuner) P.C.B.**




# 14. Voltage and Waveform Chart

**Note:**

**Circuit voltage and waveform described herein shall be regarded as reference information when probing defect point, because it may differ from an actual measuring value due to difference of Measuring instrument and its measuring condition and product itself.**

## 14.1. Main P.C.B.

## 14.2. Power P.C.B. and Transformer P.C.B.

## 14.3. Waveform Chart

# 15. Illustration of ICs, Transistors and Diodes

# 16. Wiring Connection Diagram

# 17. Block Diagram

# 18. Schematic Diagram

**(All schematic diagrams may be modified at any time with the development of the new technology)**

**Note:**

**S951**

: Mode Switch

S952

: Half Switch

S971

: Mode Switch

S972

: Half Switch

S975

: Recinh_F Switch

S6101

: POWER Switch

S6102

: SINGLE CHANGE Switch

S6103

: OPEN/CLOSE Switch

S6104

: CD 1 Switch

S6105

: CD 2 Switch

S6106

: CD 3 Switch

S6107

: CD 4 Switch

S6108

: CD 5 Switch

S6201

: DECK 2 OPEN Switch

S6202

: DISPLAY/DEMO Switch

S6203

: DECK 1/2 Switch

S6204

: H.BASS Switch

S6205

: /FF/ Switch

S6206

: /REW/ Switch

S6207

: DECK 1 OPEN Switch

S6301

: CD Switch

S6302

: TAPE Switch

S6303

: STOP Switch

S6304

: REC Switch

S6305

: TUNER/BAND Switch

S6306

: MUSIC PORT Switch

S6308

: MULTI DISC CHANGE Switch

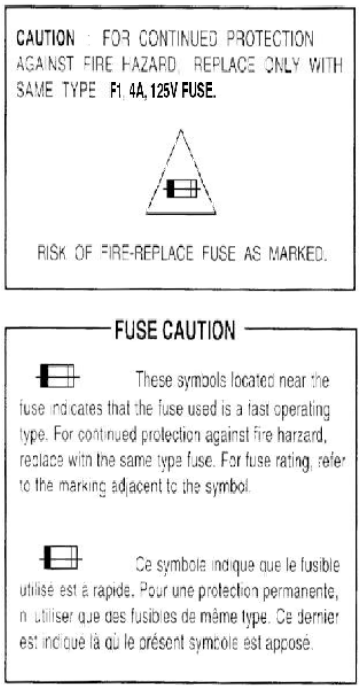
VR6491

: VR VOLUME JOG

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.
- Importance safety notice :

  Components identified by mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !


CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1, 4A, 125V FUSE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
FUSE CAUTION
These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection against fire harzard, replace with the same type fuse. For fuse rating, refer to the marking adjacent to the symbol.
Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n utiliser que des fusibles de même type. Ce dernier est indiqué là où le présent symbole est apposé.

**IC, LSI and VLSI are sensitive to static electricity.**
**Secondary trouble can be prevented by taking care during repair.**

**- Cover the parts boxes made of plastics with aluminium foil.**
**- Put a conductive mat on the work table.**
**- Ground the soldering iron.**
**- Do not touch the pins of IC, LSI or VLSI with fingers directly.**

### 18.1. (A) CD Servo Circuit

### 18.2. (B) Main (Tuner) Circuit

### 18.3. (B) Main Circuit

### 18.4. (C) Panel Circuit

### 18.5. (D) Transformer Circuit

### 18.6. (H) Power Circuit

### 18.7. (F) Deck Circuit & (G) Deck Mechanism Circuit

## 19. Printed Circuit Board

**Note: Circuit board diagrams may be modified at any time with the development of new technology.**

### 19.1. (A) CD Servo P.C.B.

### 19.2. (B) Main P.C.B.

### 19.3. (C) Panel P.C.B.

### 19.4. (D) Transformer P.C.B.

## 19.5. (E) Power P.C.B.

## 19.6. (F) Deck P.C.B. & (G) Deck Mechanism P.C.B.

# 20. Terminal Function of IC's

## 20.1. IC7001 (MN6627954MA) Servo Processor,Digital Signal Processor/ Digital filter and D/A Converter

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 1 | A11 | O | DRAM address signal O/P 11 |
| 2 | A9 | O | DRAM address signal O/P 9 |
| 3 | A8 | O | DRAM address signal O/P 8 |
| 4 | A7 | O | DRAM address signal O/P 7 |
| 5 | A6 | O | DRAM address signal O/P 6 |
| 6 | A5 | O | DRAM address signal O/P 5 |
| 7 | A4 | O | DRAM address signal O/P 4 |
| 8 | NWE | O | Write Enable Signal (DRAM) |
| 9 | NCAS | O | DRAM CAS Control Signal |
| 10 | NRAS | O | DRAM ARS Control Signal |
| 11 | A3 | O | DRAM address Signal O/P 3 |
| 12 | A2 | O | DRAM address Signal O/P 2 |
| 13 | A1 | O | DRAM address Signal O/P 1 |
| 14 | A01 | O | DRAM address Signal O/P 0 |
| 15 | A10 | O | DRAM address Signal O/P 10 |
| 16 | *BA0 | N.C. | Motor O/P (0);/Serial I/P |
| 17 | *BA1 | N.C. | Motor O/P (1);/Serial I/P |
| 18 | PRAMVSS33 | - | GND (DRAM) |
| 19 | PRAMVDD33 | - | Power Supply Voltage (DRAM) |
| 20 | PRAMVDD15 | - | Power Supply Voltage (+1.6V) |

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 21 | SPOUT | O | Spindle Drive O/P |
| 22 | *PC | I/O | Spindle motor drive O/P signal serial data/ Monitoring I/P |
| 23 | TRVP | O | Traverse Drive O/P (+ve) |
| 24 | TRP | O | Tracking Drive O/P (+ve) |
| 25 | FOP | O | Focusing Drive O/P (+ve) |
| 26 | DVSS1 | I | GND |
| 27 | IOVDD2 | I | Digital Power Supply Voltage 2 (I/O) |
| 28 | DVDD1 | - | Digital Power Supply Voltage 1 (Built-In) |
| 29 | SRVMON0 | N.C. | Servo Monitor (0) O/P |
| 30 | SRVMON1 | N.C. | Servo Monitor (1) O/P |
| 31 | AVSS2 | - | GND |
| 32 | OSCIN | I | Oscillating Input |
| 33 | CTRCRS | N.C. | Tracking Cross Comparator |
| 34 | VREF | - | +Vref Supply Voltage |
| 35 | E | I | Tracking Input Signal 1 |
| 36 | F | I | Tracking Input Signal 2 |
| 37 | D | I | Focusing Input Signal 4 |
| 38 | B | I | Focusing Input Signal 2 |
| 39 | C | I | Focusing Input Signal 3 |
| 40 | A | I | Focusing Input Signal 1 |
| 41 | PD | I | APC Amp I/P |
| 42 | LD | O | Laser Drive Current O/P |
| 43 | CENV | I | Detection Capacitance Connection terminal |
| 44 | RFENV | O | RF Envelope O/P |
| 45 | RFOUT | O | RF Summing Amp O/P |
| 46 | RFIN | I | SGC I/P |
| 47 | AVDD2 | I | Analog Power Supply voltage 2 (For DSL/PLL) |
| 48 | ARFDC | O | AGC Capacitive Connection Terminal |
| 49 | ARFOUT | O | AGC Output |
| 50 | ARFFB | I | ARF Feedback Signal I/P |
| 51 | ARFIN | I | Audio RF Signal I/P |
| 52 | DSLF | I | Loop Filter Terminal (For DSL) |
| 53 | IREF | I | Reference I/P |
| 54 | PLLF | I | PLL Loop Filter Terminal (Phase Compare) |

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 55 | PLLF0 | O | PLL Loop Filter Terminal (Speed Compare) |
| 56 | OUTL\ | O | Audio O/P (LCH) |
| 57 | AVSS1 | I | GND |
| 58 | AVDD1 | I | Analog Power Supply Voltage 1 |
| 59 | OUTR | O | Audio O/P (RCH) |
| 60 | DVSS3 | I | GND3 (Digital Circuit) |
| 61 | NSRVMONON | I | Servo Motor O/P Enabling |
| 62 | *EXT0 | N.C. | Expansion O/P Port 0 |
| 63 | *EXT1 | N.C. | Expansion O/P Port 1 |
| 64 | *EXT2 | N.C. | Expansion O/P Port 2 |
| 65 | *FLAG | N.C. | Flag Signal O/P |
| 66 | *TX | N.C. | Digital Audio Interface O/P signal |
| 67 | MCLK | I | Micro-Computer Command Clock I/P |
| 68 | MDATA | I | Micro-Computer Data I/P |
| 69 | MLD | I | Micro-Computer Load I/P |
| 70 | STAT | O | Status Signal O/P |
| 71 | *BLKCK | O | Subcode Blk Clock |
| 72 | NRST | O | LSI Reset Signal |
| 73 | *DQSYTXT | N.C. | Pack Signal O/P for CD-Text data |
| 74 | *SMCK | N.C. | Micro-Computer Clock O/P |
| 75 | *PMCK | N.C. | IOCNT Serial data O/P (Synchronous O/P) |
| 76 | DVDD2 | - | Digital Power Supply Voltage 2 (+1.5V) |
| 77 | IOVDD1 | - | Digital Power Supply Voltage 1 (For I/O) |
| 78 | DVSS2 | - | GND2 (For Digital Circuit) |
| 79 | NTEST2 | I | Test Mode Setting (ON: H) |
| 80 | X2 | O | Crystal Oscillating Circuit O/P |
| 81 | X1 | I | Crystal Oscillating Circuit I/P |
| 82 | NTEST | I | Test Mode Setting I/P (ON:H) |
| 83 | D2 | I/O | Data Sigmal O/P 2 |
| 84 | D1 | I/O | Data Signal O/P 1 |

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 85 | D0 | I/O | Data Signal O/P 0 |
| 86 | D3 | I/O | Data Signal O/P 3 |
| 87 | D4 | I/O | Data Signal O/P 4 |
| 88 | D5 | I/O | Data Signal O/P 5 |
| 89 | D6 | I/O | Data Signal O/P 6 |
| 90 | D7 | I/O | Data Signal O/P 7 |
| 91 | D15 | I/O | Data Signal O/P 15 |
| 92 | D14 | I/O | Data Signal O/P 14 |
| 93 | DRVDD | I | I/O Power Supply Voltage (DRAM) |
| 94 | D13 | I/O | Data Signal O/P 13 |
| 95 | D12 | I/O | Data Signal O/P 12 |
| 96 | D11 | I/O | Data Signal O/P 11 |
| 97 | D10 | I/O | Data Signal O/P 10 |
| 98 | D9 | I/O | Data Signal O/P 9 |
| 99 | D8 | I/O | Data Signal O/P 8 |
| 100 | SDRCK | O | Clock Signal O/P |

## 20.2. IC7003 (BA5948FPE2) IC 4CH Drive

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 1 | IN2 | I | Motor Driver 92 Input |
| 2 | PC2 | I | Turntable Motor Drive Signal (“L”:ON) |
| 3 | IN1 | I | Motor Drive (1) Input |
| 4 | PC1 | - | Traverse Motor Drive Signal (“L”): ON) |
| 5-8 | N.C. | - | No Connection |
| 9 | PGND1 | - | Ground Connection (1) for Drive |
| 10 | PVCC1 | I | Power Supply (1) for Drive |
| 11 | D1- | O | Motor Drive (1) reverse - action output |
| 12 | D1+RESET | O | Motor Drive (1) forward - action output |
| 13 | D2- | O | Motor Drive (2) reverse - action output |
| 14 | D2+ | O | Motor Drive (2) forward - action output |
| 15 | D3- | O | Motor Drive (3) reverse - action output |

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 16 | D3+ | O | Motor Drive (3) forward - action output |
| 17 | D4- | O | Motor Drive (4) reverse - action output |
| 18 | D4+ | O | Motor Drive (4) forward - action output |
| 19 | PVCC2 | - | Power Supply (2) for Driver |
| 20 | PGND2 | - | Ground Connection (2) for Driver |
| 21-24 | N.C. | O | No Connection |
| 25 | VCC | I | Power Supply terminal |
| 26 | VREF | I | Reference Voltage Input |
| 27 | IN4 | I | Motor Driver (4) Input |
| 28 | IN3 | I | Motor Driver (3) Input |

## 20.3. IC2801 (C2CBYY000053) System Microprocessor

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 1 | LM_1 | I | Level Meter |
| 2 | N.C. | O | No Connection |
| 3 | PLLCE | O | PLL Chip Select |
| 4 | RDS_DA | I | RDS Data Input |
| 5 | RDS_CLK | I | RDS Clock Input |
| 6 | N.C. | O | No Connection |
| 7 | F_Hop | O | F_Hop for Digital Amp |
| 8 | BYTE | - | External Data Bus Width Select Input (Connect to Ground) |
| 9 | CNVSS | - | Flash Mode Terminal (Connect to Ground) |
| 10 | XC_IN | - | 32.768 kHz Sub Clock |
| 11 | XC_OUT | - | 32.768 kHz Sub Clock |
| 12 | /RESET | - | Reset Input (ACTIVE L) |
| 13 | X_OUT | - | 10 MHz Main Clock |
| 14 | VSS | - | Ground (0V) |
| 15 | XIN | - | 10 MHz Main Clock |
| 16 | VCC | - | Power Supply (+5V) |
| 17 | /NMI | - | Connect to Vcc (+5V) |
| 18 | RMT | I | Remote Control Input |
| 19 | BLKCK | I | CD Block Clock Input (Inverted) |

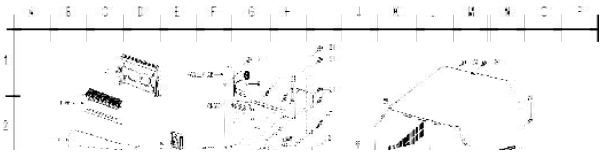
| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 20 | SYNC | I | AC Failure Detect Input |
| 21 | ST/DO | I | Tuner IF Data/ Stereo Input |
| 22 | SD | I | Tuner Signal Detect Input |
| 23 | N.C. | O | No Connection |
| 24 | SW_LV-1 | O | Sub-Woofer Level 1 |
| 25 | SW_LV-2 | O | Sub-Woofer Level 2 |
| 26 | ASP_DA | O | ASP DATA |
| 27 | ASP_CLK | O | ASP CLOCK |
| 28 | 10DB_ATT | O | No Connection |
| 29 | PLL_DAT | O | PLL DATA |
| 30 | PLL_CLK | O | PLLCLK |
| 31 | N.C./TxD | O | No Connection/Flash Tx |
| 32 | REG7 | I | Region Setting 7 (MIC)/ Flash Rx |
| 33 | REG6 | I | Region Setting 6 (RDS)/ Flash Clock |
| 34 | AK CS/Busy | O | Chip Select/Flash Busy |
| 35 | Latin CS | I | Latin Non Chip Select |
| 36 | REG3 | I | Region Setting 3 (Tuner) |
| 37 | REG2 | I | Region Setting 2 (Tuner) |
| 38 | REG1 | I | Region Setting 1 (Tuner) |
| 39 | MUTE_DA | O | Mute_DA for Digital Amp |
| 40 | MUTE_A | O | Audio Mute |
| 41 | EE_CS/EFP/ EPH | O | EEPROM Chip Select |
| 42 | EE_CLK | O | EEPROM CLOCK |
| 43 | EE_DAT | I/O | EEPROM DATA |
| 44 | N.C. | O | No Connection |
| 45 | N.C. | O | No Connection |
| 46 | PCONT/EFP/ CS | O | Main Transformer Control Output |
| 47 | DCDET | I | DC Detect Input |
| 48-50 | N.C. | O | No Connection |
| 51 | N.C. | O | No Connection |
| 52 | HALF_1 | I | Deck 1 HALF PLAYBACK INPUT |
| 53 | MODE_1 | I | Deck 1 MODE PLYABACK INPUT |
| 54 | N.C. | O | No Connection |
| 55 | N.C. | O | No Connection |
| 56 | PLG1 | O | Deck 1 plunger control |
| 57 | PLG2 | O | Deck 2 plunger control |

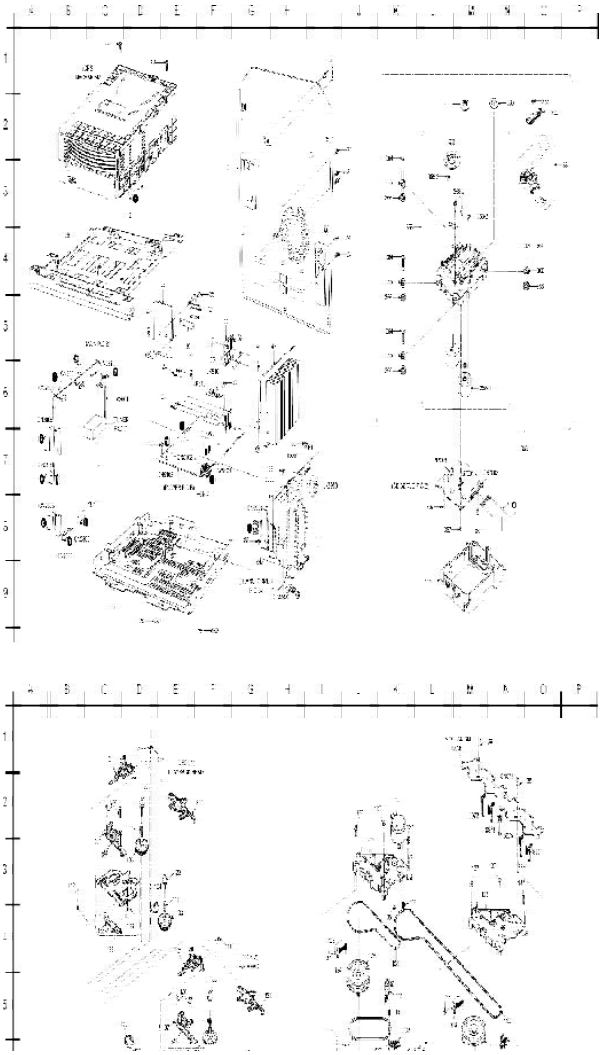
| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 58 | MTR | O/I | Deck motor control ("L" for motor ON) |
| 59 | REC | O/I | L when record circuit is operating |
| 60 | DECK1_H | O | H when DECK 1 P/B head is selected |
| 61 | N.C. | O | No Connection |
| 62 | VCC | - | Power Supply (+5V) |
| 63 | N.C. | O | No Connection |
| 64 | VSS | - | Ground (0V) |
| 65 | SW_LED | O | SUB WOOFER LED |
| 66 | VOL_LED | O | VOLUME_LED |
| 67 | V_JOG_A | I | Volume Jog A |
| 68 | V_JOG_B | I | Volume Jog B |
| 69 | FL_RST | O | FL Driver reset |
| 70 | FL_CS | I/O | FL Driver Chip Select |
| 71 | FL_DOUT | O | Serial Data To FL Driver |
| 72 | FL_CLK | I/O | Serial Clock To FL Driver |
| 73 | H.BASS_LED | O | H.BASS LED |
| 74 | CD_RST | O | CD Reset Output |
| 75 | STATUS | I | CD Servo LSI Status Input |
| 76 | MLD | O | CD Command Load Output |
| 77 | MDATA | O | CD Command Data Output |
| 78 | MCLK | O | CD Command Clock Output |
| 79 | /RESTSW | I | CD Limit Switch Input for the most Inner Point (Active Low) |
| 80 | HOME_SW | I | Home Switch for CRS1 |
| 81 | SPEED | O | SPEED is For CRS1 (cater) |
| 82 | CLOSE_SW | I | CLOSE SW is for CRS1 |
| 83 | OPEN_SW | I | Open_Sw for CRS1 |
| 84 | CHG_CW | O | CRS1 motor CW |
| 85 | CHG_CCW | O | CRS1 motor CCW |
| 86 | ST_SW | I | Stock_Sw for CRS1 |
| 87 | PLAY_SW | I | Play_Sw for CRS1 |
| 88 | CHG_PLR | O | Plunger for CRS1 |
| 89 | BOTTOM_SW | I | Bottom_SW for CRS1 |
| 90 | UP_SENSOR | I | UD-Sensor for CRS1 |

| Pin No. | Mark | I/O | Function |
|---|---|---|---|
| 91 | DECK2 | I | DECK CONDITION INPUT 2 (R_INHF/MODE2/HALF2) |
| 92 | KEY3 | I | KEY3 INPUT |
| 93 | KEY2 | I | KEY2 INPUT |
| 94 | KEY1 | I | KEY1 INPUT |
| 95 | PHOTO_2 | I | Rotation Detection Signal (Deck 2) |
| 96 | AVSS | - | Analog Power Supply Input (Connect to GND) |
| 97 | PHOTO_1 | I | Rotation Detection Signal (Deck 1) |
| 98 | VREF | - | Reference for A-D (5V) |
| 99 | AVCC | - | Analog Power Supply Input |
| 100 | DEMO | I | (H= default demo on, L= default demo off.) |

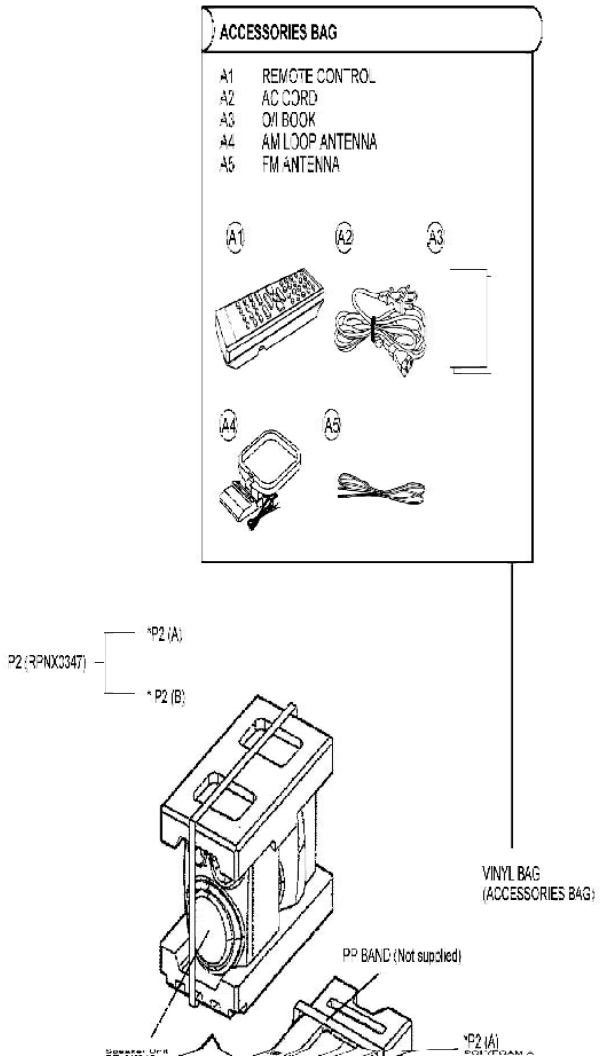
# 21. Exploded Views

## 21.1. Cabinet Parts Location





## 21.2. Packaging




# 22. Replacement Parts List

**Notes:**

**- Important safety notice:**

**Components identified by mark have special characteristics important for safety.**

**Furthermore, special parts which have purposes of fire-retardent (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.**
**When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.**

- **The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to the cover page for area or colour)**
  **Parts without these indications can be used for all areas.**
- **Warning: This product uses a laser diode. Refer to caution statements on "Precaution of Laser Diode".**
- **Capacitor values are in microfarads ( F) unless specified otherwise, P= Pico-farads (pF), F= Farads.**
- **Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM).**
- **The marking (RTL) indicates that the Retention Time is limited for this items. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of a availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
- **[M] Indicates in the Remarks columns indicates parts supplied by PAVCSG.**
- **Reference for O/I book languages are as follows:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Ar:** | **Arabic** | **Du:** | **Dutch** | **It:** | **Italian** | **Sp** | **Spanish** |
| **Cf:** | **Canadian French** | **En:** | **English** | **Ko:** | **Korean** | **Sw:** | **Swedish** |
| **Cz:** | **Czech** | **Fr:** | **French** | **Po:** | **Polish** | **Co:** | **Traditional Chinese** |
| **Da:** | **Danish** | **Ge:** | **German** | **Ru:** | **Russian** | **Cn:** | **Simplified Chinese** |
| **Pe:** | **Persian** | | | | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| | | CABINET AND CHASSIS | |
| | | | |
| 1 | L6FALEFH0030 | FAN UNIT | [M] |
| 2 | REEX0212-2 | 14P FFC WIRE | [M] |
| 3 | REEX0503 | 10P FFC WIRE | [M] |
| 4 | REEX0513 | 17P FFC WIRE | [M] |
| 5 | REEX0528 | 14P FFC WIRE | [M] |
| 6 | REEX0529 | 30P FFC WIRE | [M] |
| 7 | RGKX0319-K | TOP ORNAMENT | [M] |
| 8 | RGKX0320-K | CD LID | [M] |
| 9 | RGLX0120-Q | VOLUME LIGHT PIECE | [M] |
| 10 | RGLX0121-Q | POWER LIGHT PIECE | [M] |
| 11 | RGPX0206A-S | FRONT PANEL | [M]PC |
| 11 | RGPX0206-S | FRONT PANEL | [M]P |
| 12 | RGRX0054A-A | REAR PANEL | [M]P |
| 12 | RGRX0054A-B | REAR PANEL | [M]PC |
| 13 | RGUX0637-S | POWER BUTTON | [M] |
| 14 | RGUX0638-S | OPEN DECK 1 BUTTON | [M] |
| 15 | RGUX0639-S | OPEN DECK 2 BUTTON | [M] |
| 16 | RGUX0640-S | DISC/OPEN/5 DISC BUTTON | [M] |
| 17 | RGUX0642-S | FUNCTION BUTTON L | [M] |
| 18 | RGUX0643-S | FUNCTION BUTTON R | [M] |
| 19 | RGUX0644-K | CONTROL BUTTON | [M] |
| 20 | RGWX0093-S | VOLUME KNOB | [M] |
| 21 | RHD26046-L | SCREW | [M] |
| 22 | RHD30007-1SJ | SCREW | [M] |
| 23 | RHD30111-3 | SCREW | [M] |
| 24 | RHD30119-S | SCREW | [M] |
| 25 | RHGV0008 | LEG CUSHION | [M] |
| 26 | RKFX0131-S | CASS LID L | [M] |
| 27 | RKFX0132-S | CASS LID R | [M] |
| 28 | RKMX0117-S | TOP PANEL (BEND) | [M] |
| 29 | RKWX0253-H | FL WINDOW | [M] |
| 30 | RMBX0036 | CASS OPEN SPRING | [M] |
| 31 | RMBX0049 | CD LID SPRING | [M] |
| 32 | RMC0158-S2 | TRANSISTOR HOLDER | [M] |
| 33 | RMCX0021-J | TRANSISTOR CLIP | [M] |
| 34 | RMG0547-K | CUSHION | [M] |
| 35 | XTWS3+6TFJ | SCREW | [M] |
| 36 | RMGX0044 | D.AMP.IC INSULATOR | [M] |
| 37 | RMKX0112 | BOTTOM CHASSIS | [M] |
| 38 | RMKX0113 | CD CHASSIS | [M] |
| 39 | RMNX0161 | LED HOLDER | [M] |
| 40 | RMNX0162 | FL HOLDER | [M] |
| 41 | RMQX0150-W | VOL. LIGHT DIFFUSER | [M] |
| 42 | XTW3+10TFC | SCREW | [M] |
| 43 | RMVX0092 | FL WIN. BACK GROUND | [M] |
| 44 | RMYX0131 | SUB HEAT SINK | [M] |
| 45 | RUS757ZAA | CASS HALF SPRING | [M] |
| 46 | XTV3+10GFJ-M | SCREW | [M] |
| 47 | RXGX0002 | DAMPER GEAR | [M] |
| 48 | RXXX0066 | HEAT SINK UNIT | [M] |
| 49 | XTW3+12TFJ | SCREW | [M] |
| | | | |
| | | CASSETTE DECK | |
| | | | |
| 101 | RED0069-2 | R/P HEAD BLOCK UNIT | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| 102 | RED0070-1 | P/B HEAD BLOCK UNIT | [M] |
| 103 | RDG0300 | REEL BASE GEAR | [M] |
| 104 | RDG0301 | WINDING RELAY GEAR | [M] |
| 105 | RDK0026-4 | MAIN GEAR | [M] |
| 107 | RDV0033-4 | WINDING BELT | [M] |
| 108 | RDV0064-1 | CAPSTAN BELT | [M] |
| 109 | RDV0071-2 | CAPSTAN BELT B | [M] |
| 110 | RMB0312 | TRIGGER LEVER SPRING | [M] |
| 111 | RMB0400 | REEL SPRING | [M] |
| 112 | RMB0403 | HEAB PANEL SPRING | [M] |
| 113 | RMB0404 | BRAKE ROD SPRING | [M] |
| 114 | RMB0406-5 | FR LEVER SPRING | [M] |
| 115 | RMB0408 | THRUST SPRING | [M] |
| 116 | RML0370-4 | TRIGGER LEVER | [M] |
| 117 | RML0371 | FR LEVER | [M] |
| 118 | RML0372-2 | WINDING LEVER | [M] |
| 119 | RML0374-2 | EJECT LEVER | [M] |
| 120 | RMM0131-1 | BRAKE ROD | [M] |
| 121 | RMM0133-1 | EJECT ROD | [M] |
| 122 | RMQ0519 | REEL HUB | [M] |
| 123 | RMS0398-1 | MOVING CORE | [M] |
| 124 | RSJ0003 | PLUNGER ASS'Y | [M] |
| 125 | RMC0061 | PACK SPRING | [M] |
| 126 | RXF0061 | FLYWHEEL F ASS'Y | [M] |
| 128 | RXG0040 | FF RELAY GEAR ASS'Y | [M] |
| 129 | RMK0283A-2 | SUB-CHASSIS | [M] |
| 130 | RXL0124 | PINCH ROLLER F ASS'Y | [M] |
| 130-1 | RMB0401 | PINCH ARM SPRING F | [M] |
| 132 | RXL0126 | WINDING ARM ASS'Y | [M] |
| 133 | RXQ0412-3 | HEAD PANEL ASS'Y | [M] |
| 133-1 | RMB0405-1 | FR ROD SPRING | [M] |
| 133-2 | RMM0132-1 | FR ROD | [M] |
| 134 | REM0121 | CAP MOTOR ASS'Y | [M] |
| 135 | RHD26022-1 | MOTOR SCREW | [M] |
| 136 | XTW2+5LFJ | HEAD BLOCK UNIT SCREW | [M] |
| 137 | XTW26+10SFJ | SUB-CHASSIS SCREW | [M] |
| 138 | XYC2+JF17FJ | PCB EARTH SCREW | [M] |
| 139 | RFKJAA4501-S | CHASSIS ASS'Y | [M] |
| | | | |
| | | TRAVERSE DECK | |
| | | | |
| 358 | RFKNCT121157 | SPINDLE MOTOR ASS'Y | [M] |
| 358-1 | RXQ0632 | TRV MOTOR UNIT | [M] |
| 358-2 | XQN17+C28FJ | SCREW | [M] |
| 359 | RDG0455 | TRAVERSE GEAR (A) | [M] |
| 360 | RDG0456 | TRAVERSE GEAR (B) | [M] |
| 361 | RXQ0999 | OPU UNIT | [M] |
| 362 | RMM0218 | TRAVERSE DRIVE RACK | [M] |
| 363 | SNSD38-1 | SCREW | [M] |
| 364 | RMS0757-1 | FIXED PIN | [M] |
| 365 | RMG0703-R | FLOATING RUBBER | [M] |
| 366 | RME0109 | FLOATING SPRING | [M] |
| 367 | XTN2+6GFJ | SCREW | [M] |
| 368 | RMRX0064 | MIDDLE CHASSIS | [M] |
| 369 | RAE0157A-V | TRV UNIT W/O SERVO | [M] |
| | | | |
| | | PRINTED CIRCUIT BOARDS | |

| | | | |
|---|---|---|---|
| | | PRINTED CIRCUIT BOARDS | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| | | | |
| | REPX0494A | CD SERVO P.C.B. | [M] |
| | REPX0516A | MAIN P.C.B. | [M] |
| | REPX0517A | PANEL P.C.B. | [M] |
| | REPX0518A | TRANSFORMER P.C.B. | [M] |
| | REPX0533A | POWER P.C.B. | [M] |
| | REPX0331E | DECK P.C.B. | [M] |
| | REPX0321A | DECK MECHANISM P.C.B. | [M] |
| | REP1999B | TUNER PACK P.C.B. | [M] |
| | | | |
| | | INTEGRATED CIRCUITS | |
| | | | |
| IC951 | CNB13030R2AU | IC PHOTO INTERRUPTOR | [M] |
| IC971 | CNB13030R2AU | IC PHOTO INTERRUPTOR | [M] |
| IC1001 | AN7348S-E1 | IC P.B EQ/REC AMP/ALC/TPS AMP | [M] |
| IC1004 | C1AA00000612 | IC R/P SELECT | [M] |
| IC2601 | C1BB00000962 | IC FM/AM IF AMP,DET/AM OSC,MIX/FM MPX | [M] |
| IC2602 | C1CB00001937 | IC PLL FREQUENCY SYNTHESIZER | [M] |
| IC2801 | C2CBYY000053 | IC MIRCOPROCESSOR | [M] |
| IC2803 | C1BB00001121 | IC AUDIO SOUND PROCESSOR | [M] |
| IC2804 | C0AABB000125 | IC DUAL OP-AMP | [M] |
| IC5201 | C0JBAB000011 | IC LOGIC | [M] |
| IC5301 | C1BA00000407 | IC 2-CH DIGITAL AMP | [M] |
| IC5401 | C1BA00000407 | IC 2-CH DIGITAL AMP | [M] |
| IC6601 | C0HBB0000057 | IC FL DRIVER | [M] |
| IC7001 | MN6627954MA | IC SERVO PROCESSOR/DIGITAL SIGNAL PROCESSOR/DIGITAL FILTER D/A CONVERTER | [M] |
| IC7002 | BA5948FPE2 | IC FOCUS COIL/TRACKING COIL/TRAVERSE MOTOR/SPINDLE MOTOR DRIVE | [M] |
| | | | |
| | | TRANSISTORS | |
| | | | |
| Q1 | B1CECC000003 | TRANSISTOR | [M] |
| Q2 | B1AAAC000016 | TRANSISTOR | [M] |
| Q3 | B1AAAD000015 | TRANSISTOR | [M] |
| Q4 | B1AAAD000015 | TRANSISTOR | [M] |
| Q1003 | B1AAGC000007 | TRANSISTOR | [M] |
| Q1004 | B1AAGC000007 | TRANSISTOR | [M] |
| Q1005 | B1AAGC000007 | TRANSISTOR | [M] |
| Q1007 | B1ABCF000176 | TRANSISTOR | [M] |
| Q1017 | B1AARC000003 | TRANSISTOR | [M] |
| Q2142 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2242 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2311 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2317 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2341 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2411 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2417 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2441 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2501 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2511 | B1GDCFJJ0047 | TRANSISTOR | [M] |
| Q2601 | B1AABC000003 | TRANSISTOR | [M] |
| Q2606 | B1GCCFJJ0016 | TRANSISTOR | [M] |
| Q2803 | B1GBCFJJ0051 | TRANSISTOR | [M] |
| Q2901 | B1ACKD000006 | TRANSISTOR | [M] |
| Q2902 | B1AACF000064 | TRANSISTOR | [M] |
| Q2906 | B1ABCF000176 | TRANSISTOR | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| Q2907 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2936 | B1ACKD000006 | TRANSISTOR | [M] |
| Q2937 | B1GBCFJJ0051 | TRANSISTOR | [M] |
| Q2942 | B1ACKD000006 | TRANSISTOR | [M] |
| Q2943 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2948 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2949 | B1ABCF000176 | TRANSISTOR | [M] |
| Q2950 | B1ACKD000006 | TRANSISTOR | [M] |
| Q2951 | B1ACKD000006 | TRANSISTOR | [M] |
| Q2952 | B1GBCFLL0037 | TRANSISTOR | [M] |
| Q2957 | B1GBCFLL0037 | TRANSISTOR | [M] |
| Q2958 | B1ACKD000006 | TRANSISTOR | [M] |
| Q2959 | B1GBCFLL0037 | TRANSISTOR | [M] |
| Q2960 | B1ACKD000006 | TRANSISTOR | [M] |
| Q2978 | B1GDCFJJ0047 | TRANSISTOR | [M] |
| Q2980 | B1GDCFJJ0047 | TRANSISTOR | [M] |
| Q5101 | B1DEGM000026 | TRANSISTOR | [M] |
| Q5102 | B1DEGM000026 | TRANSISTOR | [M] |
| Q5103 | B1ABCF000176 | TRANSISTOR | [M] |
| Q5104 | B1ABCF000176 | TRANSISTOR | [M] |
| Q5108 | B1ABCF000176 | TRANSISTOR | [M] |
| Q5109 | 2SB0709AHL | TRANSISTOR | [M] |
| Q5110 | B1AACF000064 | TRANSISTOR | [M] |
| Q5111 | B1BACG000023 | TRANSISTOR | [M] |
| Q5112 | B1BCCG000002 | TRANSISTOR | [M] |
| Q5113 | B1GDCFNA0001 | TRANSISTOR | [M] |
| Q5114 | B1ABCF000176 | TRANSISTOR | [M] |
| Q5115 | B1AAKD000014 | TRANSISTOR | [M] |
| Q5153 | B1ABCF000176 | TRANSISTOR | [M] |
| Q5154 | B1ADCF000063 | TRANSISTOR | [M] |
| Q5173 | B1ABCF000176 | TRANSISTOR | [M] |
| Q5201 | B1ABCF000176 | TRANSISTOR | [M] |
| Q5202 | B1ADCF000063 | TRANSISTOR | [M] |
| Q5950 | B1AAKD000014 | TRANSISTOR | [M] |
| Q5951 | 2SB0621AHA | TRANSISTOR | [M] |
| Q5952 | B1GACFJJ0018 | TRANSISTOR | [M] |
| Q5953 | B1AACF000064 | TRANSISTOR | [M] |
| Q7601 | B1ADCF000001 | TRANSISTOR | [M] |
| | | | |
| QR6457 | B1GBCFLL0037 | CHIP TRANSISTOR | [M] |
| | | | |
| | | DIODES | |
| | | | |
| D1 | B0CBAD000004 | DIODE | [M] |
| D2 | B0CBAD000004 | DIODE | [M] |
| D3 | B0CBAD000004 | DIODE | [M] |
| D951 | MA2C16500E | DIODE | [M] |
| D971 | MA2C16500E | DIODE | [M] |
| D1003 | B0ACCK000005 | DIODE | [M] |
| D2191 | B0ACCK000005 | DIODE | [M] |
| D2241 | B0ACCK000005 | DIODE | [M] |
| D2503 | B0ADCC000002 | DIODE | [M] |
| D2583 | B0BC9R000008 | DIODE | [M] |
| D2601 | B0BC5R000009 | DIODE | [M] |
| D2602 | B0CDBB000015 | DIODE | [M] |
| D2677 | B0BC7R500001 | DIODE | [M] |
| D2801 | B0ACCK000005 | DIODE | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [...] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| D2803 | B0ACCK000005 | DIODE | [M] |
| D2811 | B0ADCJ000020 | DIODE | [M] |
| D2813 | B0ACCK000005 | DIODE | [M] |
| D2901 | B0ADCC000002 | DIODE | [M] |
| D2936 | B0EAKM000117 | DIODE | [M] |
| D2946 | B0ADCJ000020 | DIODE | [M] |
| D2950 | B0ACCK000005 | DIODE | [M] |
| D5101 | B0BA01100004 | DIODE | [M] |
| D5102 | B0BA02600018 | DIODE | [M] |
| D5103 | B0BA5R200014 | DIODE | [M] |
| D5104 | B0BA01100004 | DIODE | [M] |
| D5105 | B0BA02400029 | DIODE | [M] |
| D5107 | B0BA01500003 | DIODE | [M] |
| D5108 | B0BA5R700008 | DIODE | [M] |
| D5109 | B0BA01100004 | DIODE | [M] |
| D5121 | B0EAKM000122 | DIODE | [M] |
| D5122 | B0EAKM000122 | DIODE | [M] |
| D5123 | B0EAKM000122 | DIODE | [M] |
| D5124 | B0EAKM000122 | DIODE | [M] |
| D5125 | B0AACK000004 | DIODE | [M] |
| D5126 | B0ACCK000005 | DIODE | [M] |
| D5128 | B0EAKM000122 | DIODE | [M] |
| D5129 | B0EAKM000122 | DIODE | [M] |
| D5152 | B0BA01900005 | DIODE | [M] |
| D5950 | B0EAMM000038 | DIODE | [M] |
| D5951 | B0EAMM000038 | DIODE | [M] |
| D5952 | B0EAMM000038 | DIODE | [M] |
| D5953 | B0EAMM000038 | DIODE | [M] |
| D5954 | B0EAKM000122 | DIODE | [M] |
| D5955 | B0EAKM000122 | DIODE | [M] |
| D5956 | B0EAKM000122 | DIODE | [M] |
| D5957 | B0EAKM000122 | DIODE | [M] |
| D5958 | B0EAKM000122 | DIODE | [M] |
| D5959 | B0EAKM000122 | DIODE | [M] |
| D5960 | B0BA02400030 | DIODE | [M] |
| D5961 | B0AACK000004 | DIODE | [M] |
| D5962 | B0AACK000004 | DIODE | [M] |
| D5963 | B0AACK000004 | DIODE | [M] |
| D5964 | B0BA6R800008 | DIODE | [M] |
| D5965 | B0AACK000004 | DIODE | [M] |
| D5966 | B0AACK000004 | DIODE | [M] |
| D6457 | B3ACA0000302 | DIODE | [M] |
| D6458 | B3AAA0000583 | DIODE | [M] |
| D6462 | B3ACA0000302 | DIODE | [M] |
| D6635 | B0BC5R600003 | DIODE | [M] |
| D7650 | MAZ80560ML | DIODE | [M] |
| | | | |
| | | VARIABLE RESISTOR | |
| | | | |
| VR6491 | EVEKE2F3524B | VR VOLUME JOG | [M] |
| | | | |
| | | SWITCHES | |
| | | | |
| S951 | RSH1A018-3U | SW MODE | [M] |
| S952 | RSH1A019-2U | SW HALF | [M] |
| S971 | RSH1A018-3U | SW MODE | [M] |
| S972 | RSH1A019-2U | SW HALF | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| S975 | RSH1A019-2U | SW RECINH_F | [M] |
| S6101 | EVQ21405RJ | SW POWER | [M] |
| S6102 | EVQ21405RJ | SW SINGLE CHANGE | [M] |
| S6103 | EVQ21405RJ | SW OPEN/CLOSE | [M] |
| S6104 | EVQ21405RJ | SW CD 1 | [M] |
| S6105 | EVQ21405RJ | SW CD 2 | [M] |
| S6106 | EVQ21405RJ | SW CD 3 | [M] |
| S6107 | EVQ21405RJ | SW CD 4 | [M] |
| S6108 | EVQ21405RJ | SW CD 5 | [M] |
| S6201 | EVQ21405RJ | SW DECK 2 OPEN | [M] |
| S6202 | EVQ21405RJ | SW DISPLAY/DEMO | [M] |
| S6203 | EVQ21405RJ | SW DECK 1/2 | [M] |
| S6204 | EVQ21405RJ | SW H.BASS | [M] |
| S6205 | EVQ21405RJ | SW /FF/ | [M] |
| S6206 | EVQ21405RJ | SW /REW/ | [M] |
| S6207 | EVQ21405RJ | SW DECK 1 OPEN | [M] |
| S6301 | EVQ21405RJ | SW CD | [M] |
| S6302 | EVQ21405RJ | SW TAPE | [M] |
| S6303 | EVQ21405RJ | SW STOP | [M] |
| S6304 | EVQ21405RJ | SW REC | [M] |
| S6305 | EVQ21405RJ | SW TUNER/BAND | [M] |
| S6306 | EVQ21405RJ | SW MUSIC PORT | [M] |
| S6308 | EVQ21405RJ | SW MULTI DISC CHANGE | [M] |
| S7201 | RSH1A048-A | SW RESET | [M] |
| | | | |
| | | CONNECTORS | |
| | | | |
| CN971 | K1MN10B00104 | 10P FFC CONNECTOR | [M] |
| CN1001 | K1MN14B00058 | 14P FFC CONNECTOR | [M] |
| CN2801 | K1MN17AA0004 | 17P CONNECTOR | [M] |
| CN2803 | K1MN14A00049 | 14P FFC CONNECTOR | [M] |
| CN2805 | K1MN14A00049 | 15P FFC CONNECTOR | [M] |
| CN2806 | K1MN30AA0004 | 30P CONNECTOR | [M] |
| CN2808 | K1KB12B00036 | 12P CONNECTOR | [M] |
| CN2809 | K1KB12B00036 | 12P CONNECTOR | [M] |
| CN2810 | K1KA02AA0186 | 2P FAN CONNECTOR | [M] |
| CN2951 | K1MN10AA0003 | 10P FFC CONNECTOR | [M] |
| CN5102 | K1KA12AA0424 | 12P CONNECTOR | [M] |
| CN5103 | K1KA12AA0424 | 12P CONNECTOR | [M] |
| CN5950 | K1KA09AA0319 | 9P CONNECTOR | [M] |
| CN5951 | K1KA09AA0193 | 9P CONNECTOR | [M] |
| CN6601 | K1MN30AA0004 | 30P CONNECTOR | [M] |
| CN7001 | K1MN16B00154 | 16P CONNECTOR | [M] |
| CN7002 | K1MN17B00032 | 17P CONNECTOR | [M] |
| | | | |
| CS1001 | K1MN05A00039 | 5P CONNECTOR | [M] |
| CS1002 | K1MN05A00039 | 5P CONNECTOR | [M] |
| | | | |
| | | COILS & TRANSFORMERS | |
| | | | |
| L1 | G0C1R2KA0029 | AXIAL COIL | [M] |
| L2 | G0CR47KA0029 | RF CHOKE COIL | [M] |
| L1001 | G0C470JA0052 | RF CHOKE COIL | [M] |
| L1002 | G2ZZ00000024 | BIAS OCS COIL | [M] |
| L2601 | G2A411C00001 | AM COIL | [M] |
| L2602 | G2BPC0000016 | OSCILLATOR COIL | [M] |
| L5101 | J0JKB0000037 | FILTER | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| L5102 | J0JKB0000037 | FILTER | [M] |
| L5301 | G0C220Z00002 | COIL | [M] |
| L5401 | G0C220Z00002 | COIL | [M] |
| L5402 | J0JKB0000037 | FILTER | [M] |
| L5403 | J0JKB0000037 | FILTER | [M] |
| L5601 | G0B9R5K00001 | CHOKE COIL | [M] |
| L5602 | G0B9R5K00001 | CHOKE COIL | [M] |
| L5603 | G0B9R5K00001 | CHOKE COIL | [M] |
| L5604 | G0B9R5K00001 | CHOKE COIL | [M] |
| L5950 | ELF15N035AN | LINE FILTER | [M] |
| L6752 | D0AE103JA048 | CARBON RESISTOR | [M] |
| L6753 | D0AE103JA048 | CARBON RESISTOR | [M] |
| | | | |
| T5950 | G4CYAYY00046 | TRANSFORMER | [M] |
| T5951 | RTP1H3E002 | BACK-UP TRANSFORMER | [M] |
| | | | |
| | | COMPONENT COMBINATIONS | |
| | | | |
| Z971 | RGSD12A1445T | RADA RESISTOR | [M] |
| Z2602 | G2BAD0000003 | AM IFT | [M] |
| Z5950 | ERZV10V511CS | ZENER | [M] |
| Z6481 | B3RAB0000025 | REMOTE SENSOR | [M] |
| | | | |
| | | CERAMIC FILTERS | |
| | | | |
| CF2601 | J0B1075AA014 | FM CERAMIC FILTER | [M] |
| CF2602 | J0B1075AA014 | FM CERAMIC FILTER | [M] |
| | | | |
| | | RELAY | |
| | | | |
| RL5950 | K6B1AEA00015 | POWER RELAY | [M] |
| | | | |
| | | OSCILLATORS | |
| | | | |
| X2602 | H3F1065A0002 | DIELECTRIC RESONATOR | [M] |
| X2603 | H0H720400007 | CRYSTAL OSCILLATOR | [M] |
| X2801 | H0A327200115 | CRYSTAL OSCILLATOR | [M] |
| X2802 | H2B100500004 | CERAMIC RESONATOR | [M] |
| X5201 | H2A415300001 | OSCILLATOR | [M] |
| X5202 | H2A375300003 | OSCILLATOR | [M] |
| X7201 | H2B169500005 | CRYSTAL | [M] |
| | | | |
| | | DISPLAY TUBE | |
| | | | |
| FL6602 | A2BD00000138 | FL DISPLAY | [M] |
| | | | |
| | | FUSE | |
| | | | |
| F1 | K5D402APA008 | FUSE 2A | [M] |
| | | | |
| | | FUSE HOLDERS | |
| | | | |
| FC1 | EYF52BCY | FUSE CLIP | [M] |
| FC2 | EYF52BCY | FUSE CLIP | [M] |
| | | | |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| | | FUSE PROTECTORS | |
| | | | |
| FP5920 | K5G702A00009 | FUSE | [M] |
| FP5940 | K5G702Z00004 | FUSE PROTECTOR | [M] |
| FP5950 | K5G402A00025 | FUSE PROTECTOR | [M] |
| | | | |
| | | HOLDERS | |
| | | | |
| H5104 | K1YF09000001 | 9P WIRE HOLDER | [M] |
| H6555 | K1YZ09000002 | 9P CABLE HOLDER | [M] |
| | | | |
| | | JACKS | |
| | | | |
| JK2601 | K4BC04B00105 | JK ANTENNA | [M] |
| JK5101 | K4BC04B00120 | JK 4P SPEAKER | [M] |
| JK5102 | K4BC04B00120 | JK 4P SPEAKER | [M] |
| JK5950 | K2AB2B000007 | JK AC INLET | [M] |
| JK6551 | K2HC103A0024 | JK HP | [M] |
| JK6751 | K2HC1YYA0002 | JK MUSIC PORT | [M] |
| | | | |
| | | EARTH TERMINALS | |
| | | | |
| E5101 | K4CZ01000027 | EARTH LUG | [M] |
| E5102 | K4CZ01000027 | EARTH LUG | [M] |
| E5103 | K4CZ01000027 | EARTH LUG | [M] |
| | | | |
| | | WIRES | |
| | | | |
| W1002 | RWJ0102050CK | MAIN-MECHA MOTOR | [M] |
| W5104 | REXX0325 | 9P FLAT WIRE | [M] |
| W6555 | REXX0324 | 9P FLAT WIRE | [M] |
| | | | |
| | | PACKING MATERIALS | |
| | | | |
| P1 | RPGX1507 | PACKING CASE | [M]P |
| P1 | RPGX1508 | PACKING CASE | [M]PC |
| P2 | RPNX0347 | POLYFOAM UNIT | [M] |
| P3 | RPFX0007-1 | MIRAMAT | [M] |
| | | | |
| | | ACCESSORIES | |
| | | | |
| A1 | N2QAHB000065 | REMOTE CONTROL | [M] |
| A1-1 | RKK-HTR0283H | R/C BATTERY COVER | [M] |
| A2 | K2CB2CB00018 | AC CORD | [M] |
| A3 | RQTV0061-P | O/I BOOK (En/Sp) | [M]P |
| A3 | RQTV0062-C | O/I BOOK (Cf) | [M]PC |
| A4 | N1DAAAA00001 | AM LOOP ANTENNA | [M] |
| A5 | RSA0006-L | FM ANTENNA WIRE | [M] |
| | | | |
| | | RESISTORS | |
| | | | |
| R1 | D0AE104JA048 | 100K 1/4W | [M] |
| R2 | D0AE104JA048 | 100K 1/4W | [M] |
| R3 | D0AE221JA048 | 220 1/4W | [M] |
| R4 | D0AE104JA048 | 100K 1/4W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R5 | ERDS2TJ564T | 560K 1/4W | [M] |
| R6 | D0AE391JA048 | 390 1/4W | [M] |
| R7 | D0AE272JA048 | 2.7K 1/4W | [M] |
| R8 | ERDS2TJ684T | 680K 1/4W | [M] |
| R9 | D0AE391JA048 | 390 1/4W | [M] |
| R10 | D0AE391JA048 | 390 1/4W | [M] |
| R11 | ERDS2TJ684T | 680K 1/4W | [M] |
| R952 | ERDS2TJ821T | 820 1/4W | [M] |
| R953 | ERDS2TJ393T | 39K 1/4W | [M] |
| R972 | ERDS2TJ821T | 820 1/4W | [M] |
| R973 | ERDS2TJ393T | 39K 1/4W | [M] |
| R1002 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1003 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R1004 | D0GB152JA007 | 1.5K 1/16W | [M] |
| R1005 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R1007 | ERD25FVJ4R7T | 4.7 1/4W | [M] |
| R1009 | D0GB183JA007 | 18K 1/16W | [M] |
| R1010 | D0GB183JA007 | 18K 1/16W | [M] |
| R1011 | ERJ3GEYJ822V | 8.2K 1/16W | [M] |
| R1012 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R1013 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R1014 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R1015 | D0GB470JA008 | 47 1/16W | [M] |
| R1016 | D0GB470JA008 | 47 1/16W | [M] |
| R1017 | ERJ3GEYJ822V | 8.2K 1/16W | [M] |
| R1018 | D0GB392JA007 | 3.9K 1/16W | [M] |
| R1019 | D0GB392JA007 | 3.9K 1/16W | [M] |
| R1020 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1022 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R1024 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1025 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1026 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R1027 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1028 | ERJ3GEYJ822V | 8.2K 1/16W | [M] |
| R1029 | D0GB475JA007 | 4.7M 1/16W | [M] |
| R1030 | D0GB101JA007 | 100 1/16W | [M] |
| R1031 | D0GB273JA007 | 27K 1/16W | [M] |
| R1032 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R1035 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R1040 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1049 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1050 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1055 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R1057 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R1060 | D0GB391JA041 | 390 1/16W | [M] |
| R1084 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R1085 | D0GB473JA041 | 47K 1/16W | [M] |
| R1086 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R1087 | D0GB473JA041 | 47K 1/16W | [M] |
| R1090 | D0GB221JA041 | 220 1/16W | [M] |
| R1091 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1092 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1097 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R1098 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R1099 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1100 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R1101 | ERJ3GEY0R00V | 0 1/16W | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R1102 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2102 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2103 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R2104 | D0GB273JA007 | 27K 1/16W | [M] |
| R2111 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R2112 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2121 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2122 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2131 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2132 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2145 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2146 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2151 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2172 | ERJ3GEYJ822V | 8.2K 1/16W | [M] |
| R2173 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2181 | D0GB471JA041 | 470 1/16W | [M] |
| R2182 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2183 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2193 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2194 | D0GB104JA007 | 100K 1/16W | [M] |
| R2195 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2196 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2202 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2203 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R2204 | D0GB273JA007 | 27K 1/16W | [M] |
| R2211 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R2212 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2221 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2222 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2231 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2232 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2245 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2246 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2247 | D0GB104JA007 | 100K 1/16W | [M] |
| R2248 | ERJ3GEYJ682V | 6.8K 1/16W | [M] |
| R2251 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2271 | ERJ3GEYJ682V | 6.8K 1/16W | [M] |
| R2273 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2281 | D0GB471JA041 | 470 1/16W | [M] |
| R2282 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2283 | D0GB104JA007 | 100K 1/16W | [M] |
| R2301 | D0GB153JA007 | 15K 1/16W | [M] |
| R2311 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2312 | D0GB273JA007 | 27K 1/16W | [M] |
| R2313 | D0GB104JA007 | 100K 1/16W | [M] |
| R2314 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2315 | D0GB563JA007 | 56K 1/16W | [M] |
| R2316 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R2317 | D0GB183JA007 | 18K 1/16W | [M] |
| R2318 | D0GB104JA007 | 100K 1/16W | [M] |
| R2321 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2323 | D0GB393JA007 | 39K 1/16W | [M] |
| R2326 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2328 | D0GB153JA007 | 15K 1/16W | [M] |
| R2329 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2331 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2333 | D0GB153JA007 | 15K 1/16W | [M] |

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|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R2334 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2335 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2341 | D0GB270JA007 | 27 1/16W | [M] |
| R2342 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2343 | D0GB270JA007 | 27 1/16W | [M] |
| R2344 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2345 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2346 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2347 | D0GB1R0JA007 | 1 1/16W | [M] |
| R2351 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2352 | D0GB270JA007 | 27 1/16W | [M] |
| R2353 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2354 | D0GB270JA007 | 27 1/16W | [M] |
| R2355 | D0GB274JA007 | 270K 1/16W | [M] |
| R2356 | D0GB184JA007 | 180K 1/16W | [M] |
| R2357 | D0GB104JA007 | 100K 1/16W | [M] |
| R2401 | D0GB153JA007 | 15K 1/16W | [M] |
| R2411 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2412 | D0GB273JA007 | 27K 1/16W | [M] |
| R2413 | D0GB104JA007 | 100K 1/16W | [M] |
| R2414 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2415 | D0GB563JA007 | 56K 1/16W | [M] |
| R2416 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R2417 | D0GB183JA007 | 18K 1/16W | [M] |
| R2418 | D0GB104JA007 | 100K 1/16W | [M] |
| R2421 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2423 | D0GB393JA007 | 39K 1/16W | [M] |
| R2426 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2428 | D0GB153JA007 | 15K 1/16W | [M] |
| R2429 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2430 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2431 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2433 | D0GB153JA007 | 15K 1/16W | [M] |
| R2434 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2435 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2441 | D0GB270JA007 | 27 1/16W | [M] |
| R2442 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2443 | D0GB270JA007 | 27 1/16W | [M] |
| R2444 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2445 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2446 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2447 | D0GB1R0JA007 | 1 1/16W | [M] |
| R2451 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2452 | D0GB270JA007 | 27 1/16W | [M] |
| R2453 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2454 | D0GB270JA007 | 27 1/16W | [M] |
| R2455 | D0GB274JA007 | 270K 1/16W | [M] |
| R2456 | D0GB184JA007 | 180K 1/16W | [M] |
| R2457 | D0GB104JA007 | 100K 1/16W | [M] |
| R2501 | D0GB334JA007 | 330K 1/16W | [M] |
| R2502 | D0GB823JA007 | 82K 1/16W | [M] |
| R2503 | D0GB272JA007 | 2.7K 1/16W | [M] |
| R2504 | D0GB101JA007 | 100 1/16W | [M] |
| R2505 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2507 | D0GB104JA007 | 100K 1/16W | [M] |
| R2508 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2509 | D0GB561JA007 | 560 1/16W | [M] |

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|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R2510 | D0AF221JA039 | 220 1/4W | [M] |
| R2511 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R2512 | D0GB104JA007 | 100K 1/16W | [M] |
| R2584 | D0GB334JA007 | 330K 1/16W | [M] |
| R2585 | D0GB334JA007 | 330K 1/16W | [M] |
| R2586 | ERJ3GEYJ122V | 1.2K 1/16W | [M] |
| R2587 | ERJ3GEYJ122V | 1.2K 1/16W | [M] |
| R2601 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2602 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2603 | D0GB271JA007 | 270 1/16W | [M] |
| R2604 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2605 | D0GB471JA041 | 470 1/16W | [M] |
| R2606 | D0GB474JA041 | 470K 1/16W | [M] |
| R2607 | D0GB331JA007 | 330 1/16W | [M] |
| R2608 | D0GB474JA041 | 470K 1/16W | [M] |
| R2610 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2611 | D0GB391JA041 | 390 1/16W | [M] |
| R2612 | D0GB104JA007 | 100K 1/16W | [M] |
| R2613 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2614 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R2615 | D0GB561JA007 | 560 1/16W | [M] |
| R2616 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2617 | D0GB473JA041 | 47K 1/16W | [M] |
| R2618 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2619 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2620 | D0GB473JA041 | 47K 1/16W | [M] |
| R2621 | D0GB223JA041 | 22K 1/16W | [M] |
| R2622 | D0GB272JA007 | 2.7K 1/16W | [M] |
| R2623 | D0GB683JA007 | 68K 1/16W | [M] |
| R2624 | D0GB330JA007 | 33 1/16W | [M] |
| R2625 | D0GB471JA041 | 470 1/16W | [M] |
| R2626 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2627 | D0GB471JA041 | 470 1/16W | [M] |
| R2628 | ERJ3GEYJ820V | 82 1/16W | [M] |
| R2629 | D0GB273JA007 | 27K 1/16W | [M] |
| R2630 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2631 | D0GB121JA007 | 120 1/16W | [M] |
| R2632 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2633 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2634 | D0GB471JA041 | 470 1/16W | [M] |
| R2635 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2636 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2637 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2638 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2641 | ERJ3GEYJ682V | 6.8K 1/16W | [M] |
| R2642 | ERJ3GEYJ682V | 6.8K 1/16W | [M] |
| R2643 | D0GB223JA041 | 22K 1/16W | [M] |
| R2644 | D0GB121JA007 | 120 1/16W | [M] |
| R2645 | D0GB104JA007 | 100K 1/16W | [M] |
| R2646 | D0GB104JA007 | 100K 1/16W | [M] |
| R2651 | ERJ3GEYJ820V | 82 1/16W | [M] |
| R2652 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2671 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2672 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2673 | D0GB473JA041 | 47K 1/16W | [M] |
| R2674 | D0GB473JA041 | 47K 1/16W | [M] |
| R2675 | D0GB472JA041 | 4.7K 1/16W | [M] |

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|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R2676 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2677 | D0C1121JA020 | 1.1K 1W | [M] |
| R2701 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2702 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2703 | D0GB224JA007 | 220K 1/16W | [M] |
| R2704 | D0GB224JA007 | 220K 1/16W | [M] |
| R2705 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2706 | D0GB332JA007 | 3.3K 1/16W | [M] |
| R2801 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2802 | D0GB101JA007 | 100 1/16W | [M] |
| R2803 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2810 | D0GB223JA041 | 22K 1/16W | [M] |
| R2817 | D0GB104JA007 | 100K 1/16W | [M] |
| R2818 | D0GB104JA007 | 100K 1/16W | [M] |
| R2819 | D0GB104JA007 | 100K 1/16W | [M] |
| R2820 | D0GB104JA007 | 100K 1/16W | [M] |
| R2830 | D0GB104JA007 | 100K 1/16W | [M] |
| R2831 | D0GB104JA007 | 100K 1/16W | [M] |
| R2832 | D0GB104JA007 | 100K 1/16W | [M] |
| R2833 | D0GB104JA007 | 100K 1/16W | [M] |
| R2841 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2842 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2843 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2844 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2845 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2846 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2847 | D0GB101JA007 | 100 1/16W | [M] |
| R2848 | D0GB101JA007 | 100 1/16W | [M] |
| R2849 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2851 | D0GB473JA041 | 47K 1/16W | [M] |
| R2852 | D0GB101JA007 | 100 1/16W | [M] |
| R2853 | D0GB101JA007 | 100 1/16W | [M] |
| R2854 | D0GB473JA041 | 47K 1/16W | [M] |
| R2855 | D0GB473JA041 | 47K 1/16W | [M] |
| R2856 | D0GB473JA041 | 47K 1/16W | [M] |
| R2857 | D0GB473JA041 | 47K 1/16W | [M] |
| R2858 | D0GB101JA007 | 100 1/16W | [M] |
| R2859 | D0GB101JA007 | 100 1/16W | [M] |
| R2860 | D0GB101JA007 | 100 1/16W | [M] |
| R2861 | D0GB101JA007 | 100 1/16W | [M] |
| R2862 | D0GB101JA007 | 100 1/16W | [M] |
| R2863 | D0GB473JA041 | 47K 1/16W | [M] |
| R2864 | D0GB101JA007 | 100 1/16W | [M] |
| R2865 | D0GB473JA041 | 47K 1/16W | [M] |
| R2866 | D0GB473JA041 | 47K 1/16W | [M] |
| R2868 | D0GB104JA007 | 100K 1/16W | [M] |
| R2871 | D0GB223JA041 | 22K 1/16W | [M] |
| R2873 | D0GB223JA041 | 22K 1/16W | [M] |
| R2874 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2881 | D0GB221JA041 | 220 1/16W | [M] |
| R2882 | D0GB106JA007 | 10M 1/16W | [M] |
| R2883 | D0GB334JA007 | 330K 1/16W | [M] |
| R2886 | D0GB105JA007 | 1M 1/16W | [M] |
| R2894 | D0GB473JA041 | 47K 1/16W | [M] |
| R2901 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2902 | ERDS1FVJ330T | 33 1/2W | [M] |
| R2907 | ERJ3GEYJ102V | 1K 1/16W | [M] |

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|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R2908 | D0GB331JA007 | 330 1/16W | [M] |
| R2909 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R2910 | D0GB331JA007 | 330 1/16W | [M] |
| R2912 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2914 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2916 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2918 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2919 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2920 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2921 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2922 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2923 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R2924 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2925 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2927 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2928 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2929 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2930 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2931 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2936 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2937 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2939 | D0GB473JA041 | 47K 1/16W | [M] |
| R2940 | ERJ3GEYJ824V | 820K 1/16W | [M] |
| R2941 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2942 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R2943 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2944 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2945 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2946 | D0GB563JA007 | 56K 1/16W | [M] |
| R2947 | D0AF270JA039 | 27 1/4W | [M] |
| R2948 | D0GB101JA007 | 100 1/16W | [M] |
| R2949 | D0GB473JA041 | 47K 1/16W | [M] |
| R2950 | D0GB474JA041 | 470K 1/16W | [M] |
| R2951 | D0GB474JA041 | 470K 1/16W | [M] |
| R2952 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2953 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2954 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R2955 | D0GB274JA007 | 270K 1/16W | [M] |
| R2956 | D0GB274JA007 | 270K 1/16W | [M] |
| R2957 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2958 | D0GB223JA041 | 22K 1/16W | [M] |
| R2959 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R2960 | D0GB223JA041 | 22K 1/16W | [M] |
| R2965 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R2966 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R5101 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R5103 | D0C1103JA020 | 10K 1W | [M] |
| R5105 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R5106 | D0GB223JA041 | 22K 1/16W | [M] |
| R5107 | D0GB561JA007 | 560 1/16W | [M] |
| R5108 | D0GB470JA008 | 47 1/16W | [M] |
| R5109 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R5110 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R5111 | D0GB104JA007 | 100K 1/16W | [M] |
| R5112 | D0GB473JA041 | 47K 1/16W | [M] |
| R5113 | D0GB473JA041 | 47K 1/16W | [M] |
| R5114 | ERJ3GEYJ1R8V | 1.8 1/16W | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R5123 | D0C14R7JA020 | 4.7 1W | [M] |
| R5126 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R5127 | D0GB471JA041 | 470 1/16W | [M] |
| R5130 | D0GB151JA007 | 150 1/16W | [M] |
| R5131 | ERDS1FVJ222T | 2.2K 1/2W | [M] |
| R5132 | D0AF331JA039 | 330 1/4W | [M] |
| R5133 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R5134 | ERJ3GEYJ122V | 1.2K 1/16W | [M] |
| R5135 | D0AE2R2JA048 | 2.2 1/4W | [M] |
| R5136 | D0AE2R2JA048 | 2.2 1/4W | [M] |
| R5137 | D0AE2R2JA048 | 2.2 1/4W | [M] |
| R5138 | ERJ8GEYJ100V | 10 1/8W | [M] |
| R5139 | ERJ8GEYJ100V | 10 1/8W | [M] |
| R5140 | ERJ8GEYJ100V | 10 1/8W | [M] |
| R5141 | ERJ8GEYJ100V | 10 1/8W | [M] |
| R5144 | D0AF120JA039 | 12 1/4W | [M] |
| R5146 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5147 | D0AF2R2JA039 | 2.2 1/4W | [M] |
| R5148 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5149 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R5150 | D0GB224JA007 | 220K 1/16W | [M] |
| R5151 | D0GB154JA007 | 150K 1/16W | [M] |
| R5152 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R5153 | D0GB101JA007 | 100 1/16W | [M] |
| R5154 | D0GB101JA007 | 100 1/16W | [M] |
| R5173 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R5174 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R5201 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R5202 | D0GB104JA007 | 100K 1/16W | [M] |
| R5203 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R5204 | D0GB104JA007 | 100K 1/16W | [M] |
| R5205 | D0GB104JA007 | 100K 1/16W | [M] |
| R5206 | D0GB105JA007 | 1M 1/16W | [M] |
| R5207 | ERJ3GEYJ682V | 6.8K 1/16W | [M] |
| R5209 | D0GB100JA007 | 10 1/16W | [M] |
| R5210 | D0GB271JA007 | 270 1/16W | [M] |
| R5301 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5302 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5303 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5304 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5305 | ERG1SJ220E | 22 1W | [M] |
| R5306 | ERG1SJ220E | 22 1W | [M] |
| R5307 | ERJ8GEYJ100V | 10 1/8W | [M] |
| R5308 | ERJ8GEYJ100V | 10 1/8W | [M] |
| R5312 | D0GB563JA007 | 56K 1/16W | [M] |
| R5313 | D0GB154JA007 | 150K 1/16W | [M] |
| R5317 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R5401 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5402 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5403 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5404 | D0GB562JA007 | 5.6K 1/16W | [M] |
| R5405 | ERG1SJ220E | 22 1W | [M] |
| R5406 | ERG1SJ220E | 22 1W | [M] |
| R5407 | ERJ8GEYJ100V | 10 1/8W | [M] |
| R5408 | ERJ8GEYJ100V | 10 1/8W | [M] |
| R5412 | D0GB224JA007 | 220K 1/16W | [M] |
| R5413 | D0GB104JA007 | 100K 1/16W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R5417 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R5418 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R5419 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R5514 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R5518 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R5950 | ERC12UGK335D | 3.3M 1/2W | [M] |
| R5951 | D0AE332JA048 | 3.3K 1/4W | [M] |
| R5952 | D0AE472JA048 | 4.7K 1/4W | [M] |
| R5953 | D0AE151JA048 | 150 1/4W | [M] |
| R5957 | D0AE103JA048 | 10K 1/4W | [M] |
| R5958 | D0AE103JA048 | 10K 1/4W | [M] |
| R5960 | D0AE472JA048 | 4.7K 1/4W | [M] |
| R5961 | D0AE151JA048 | 150 1/4W | [M] |
| R5963 | D0AF820JA039 | 82 1/4W | [M] |
| R6102 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R6103 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R6104 | D0GB182JA007 | 1.8K 1/16W | [M] |
| R6105 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R6106 | D0GB272JA007 | 2.7K 1/16W | [M] |
| R6107 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R6108 | ERJ3GEYJ682V | 6.8K 1/16W | [M] |
| R6109 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R6110 | D0GB223JA041 | 22K 1/16W | [M] |
| R6199 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R6202 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R6203 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R6204 | D0GB182JA007 | 1.8K 1/16W | [M] |
| R6205 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R6206 | D0GB272JA007 | 2.7K 1/16W | [M] |
| R6207 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R6208 | D0GB393JA007 | 39K 1/16W | [M] |
| R6302 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R6303 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R6304 | D0GB182JA007 | 1.8K 1/16W | [M] |
| R6305 | D0GB222JA041 | 2.2K 1/16W | [M] |
| R6306 | D0GB272JA007 | 2.7K 1/16W | [M] |
| R6307 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R6308 | ERJ3GEYJ682V | 6.8K 1/16W | [M] |
| R6309 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R6310 | D0GB223JA041 | 22K 1/16W | [M] |
| R6399 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R6457 | D0GB391JA041 | 390 1/16W | [M] |
| R6458 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R6481 | ERJ3GEY0R00V | 0 1/16W | [M] |
| R6491 | D0GB473JA041 | 47K 1/16W | [M] |
| R6492 | D0GB473JA041 | 47K 1/16W | [M] |
| R6493 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R6601 | D0GB471JA041 | 470 1/16W | [M] |
| R6603 | D0GB221JA041 | 220 1/16W | [M] |
| R6604 | D0GB221JA041 | 220 1/16W | [M] |
| R6605 | D0GB823JA007 | 82K 1/16W | [M] |
| R6631 | ERD2FCVG470T | 47 1/4W | [M] |
| R6632 | ERD2FCVG470T | 47 1/4W | [M] |
| R6751 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R6752 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R6753 | ERJ3GEYJ103V | 10K 1/16W | [M] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| R6754 | D0GB472JA041 | 4.7K 1/16W | [M] |
| R7111 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R7211 | ERJ3GEYJ823V | 82K 1/16W | [M] |
| R7212 | ERJ3GEYJ821V | 820 1/16W | [M] |
| R7214 | ERJ3GEYJ471V | 470 1/16W | [M] |
| R7217 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R7218 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R7220 | ERJ3GEYJ105V | 1M 1/16W | [M] |
| R7221 | ERJ3GEYJ101V | 100 1/16W | [M] |
| R7253 | ERJ3GEYJ100V | 10 1/16W | [M] |
| R7254 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R7315 | ERJ3GEYJ332V | 3.3K 1/16W | [M] |
| R7323 | ERJ3GEYJ332V | 3.3K 1/16W | [M] |
| R7325 | ERJ3GEYJ331V | 330 1/16W | [M] |
| R7327 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R7328 | ERJ3GEYJ103V | 10K 1/16W | [M] |
| R7329 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R7330 | ERJ3GEYJ562V | 5.6K 1/16W | [M] |
| R7331 | ERJ3GEYJ223V | 22K 1/16W | [M] |
| R7332 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R7335 | ERJ3GEYJ101V | 100 1/16W | [M] |
| R7336 | ERJ3GEYJ100V | 10 1/16W | [M] |
| R7339 | ERJ3GEYJ102V | 1K 1/16W | [M] |
| R7349 | ERJ3GEYJ183V | 18K 1/16W | [M] |
| R7601 | ERJ3GEYJ4R7V | 4.7 1/16W | [M] |
| R7650 | ERJ3GEYJ5R6V | 5.6 1/16W | [M] |
| | | | |
| | | CHIP JUMPERS | |
| | | | |
| W2501 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2503 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2506 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2508 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2510 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2511 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2512 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2513 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2514 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2517 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2518 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2520 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2523 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2525 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2526 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2530 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2531 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2532 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2534 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2535 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2536 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2537 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2539 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2540 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2542 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2543 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2544 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2545 | ERJ3GEY0R00V | CHIP JUMPER | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| W2546 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2547 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2548 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2549 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2550 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2552 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2553 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2554 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2555 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2556 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2557 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2558 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2559 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2560 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2561 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2563 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2565 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2566 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2567 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2568 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2569 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2570 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2571 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2572 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2573 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2575 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2576 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W2919 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W5500 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W5501 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W5504 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W5505 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W5506 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W5507 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W5508 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W5509 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W5511 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W6501 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W6502 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W6503 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W6504 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W6505 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7001 | ERJ6GEY0R00V | CHIP JUMPER | [M] |
| W7002 | ERJ6GEY0R00V | CHIP JUMPER | [M] |
| W7003 | ERJ6GEY0R00V | CHIP JUMPER | [M] |
| W7004 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7005 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7006 | ERJ6GEY0R00V | CHIP JUMPER | [M] |
| W7007 | ERJ6GEY0R00V | CHIP JUMPER | [M] |
| W7008 | ERJ6GEY0R00V | CHIP JUMPER | [M] |
| W7009 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7010 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7011 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7012 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7013 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7014 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7015 | ERJ3GEY0R00V | CHIP JUMPER | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| W7016 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7017 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7018 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7019 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7020 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7021 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7022 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7023 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7024 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7025 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7026 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7027 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| W7028 | ERJ3GEY0R00V | CHIP JUMPER | [M] |
| | | | |
| K5101 | B0EAKM000122 | RECTIFIER | [M] |
| | | | |
| | | CAPACITORS | |
| | | | |
| C1 | F1D1H5R6A017 | 5.6P 50V | [M] |
| C2 | F1D1H102A029 | 1000P 50V | [M] |
| C3 | F1D1H2R2A017 | 2.2P 50V | [M] |
| C4 | F1D1H181A012 | 180P 50V | [M] |
| C5 | F1D1H5R6A017 | 5.6P 50V | [M] |
| C6 | F1D1H3R3A017 | 3.3P 50V | [M] |
| C7 | F1D1H4R7A017 | 4.7P 50V | [M] |
| C8 | F1D1H3R3A017 | 3.3P 50V | [M] |
| C9 | F1D1H2R2A017 | 2.2P 50V | [M] |
| C10 | F1D1H180A015 | 18P 50V | [M] |
| C11 | F1D1H102A029 | 1000P 50V | [M] |
| C1002 | ECEA1HKN2R2B | 2.2 50V | [M] |
| C1006 | ECA1HAK010XB | 1 50V | [M] |
| C1007 | F0A2A472A034 | 4700P 100V | [M] |
| C1008 | ECA1HAK010XB | 1 50V | [M] |
| C1009 | ECA1CAK470XB | 47 16V | [M] |
| C1010 | ECA1EAM101XB | 100 25V | [M] |
| C1011 | ECQV1H473JL3 | 0.047 50V | [M] |
| C1012 | F1H1H102A219 | 1000P 50V | [M] |
| C1013 | F1H1H102A219 | 1000P 50V | [M] |
| C1014 | F1H1H102A219 | 1000P 50V | [M] |
| C1015 | F1H1H102A219 | 1000P 50V | [M] |
| C1016 | F1H1H222A013 | 2200P 50V | [M] |
| C1017 | F1H1H222A013 | 2200P 50V | [M] |
| C1018 | F1H1H332A013 | 3300P 50V | [M] |
| C1019 | F1H1H102A219 | 1000P 50V | [M] |
| C1020 | F1H1H471A219 | 470P 50V | [M] |
| C1021 | F1H1H471A219 | 470P 50V | [M] |
| C1022 | F1H1H102A219 | 1000P 50V | [M] |
| C1023 | F1H1H102A219 | 1000P 50V | [M] |
| C1026 | ECA0JAK470XB | 47 6.3V | [M] |
| C1027 | F1H1H102A219 | 1000P 50V | [M] |
| C1030 | ECEA1AKA101B | 100 10V | [M] |
| C1031 | ECEA1AKA101B | 100 10V | [M] |
| C1032 | F1C1C183A023 | 0.018 16V | [M] |
| C1033 | F1C1C183A023 | 0.018 16V | [M] |
| C1034 | ECA1HAK3R3XB | 3.3 50V | [M] |
| C1035 | ECA1HAK3R3XB | 3.3 50V | [M] |
| C1036 | F1H1C333A071 | 0.033 16V | [M] |

| | | | |
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C1037 | ECA1HAK3R3XB | 3.3 50V | [M] |
| C1038 | F1H1H221A748 | 220P 50V | [M] |
| C1039 | F1H1H221A748 | 220P 50V | [M] |
| C1040 | ECA1CAK100XB | 10 16V | [M] |
| C1041 | ECA1CAK100XB | 10 16V | [M] |
| C1042 | ECA1CAK220XB | 22 16V | [M] |
| C1043 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C1044 | ECA1AAK330XB | 33 10V | [M] |
| C1045 | ECA1AAK220XB | 22 10V | [M] |
| C1046 | ECA1CAM221XB | 220 16V | [M] |
| C1049 | F1H1H332A013 | 3300P 50V | [M] |
| C1050 | F1H1H332A013 | 3300P 50V | [M] |
| C1056 | ECA1CAK100XB | 10 16V | [M] |
| C1057 | F1H1H102A219 | 1000P 50V | [M] |
| C1058 | F1H1H102A219 | 1000P 50V | [M] |
| C1059 | F1H1H103A219 | 0.01 50V | [M] |
| C2101 | ECJ1VB1A105K | 1 10V | [M] |
| C2112 | ECJ1VB1C105K | 1 16V | [M] |
| C2113 | F1H1H103A219 | 0.01 50V | [M] |
| C2114 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2121 | F1H1H332A013 | 3300P 50V | [M] |
| C2122 | ECJ1VB1C105K | 1 16V | [M] |
| C2124 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2131 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2132 | ECJ1VB1C105K | 1 16V | [M] |
| C2134 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2152 | ECJ1VB1C105K | 1 16V | [M] |
| C2154 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2161 | F1H1H103A219 | 0.01 50V | [M] |
| C2171 | F1H1C104A041 | 0.1 16V | [M] |
| C2172 | ECJ1VB1C683K | 0.068 16V | [M] |
| C2173 | F1H1H103A219 | 0.01 50V | [M] |
| C2174 | F1H1H103A219 | 0.01 50V | [M] |
| C2175 | F1H1H332A013 | 3300P 50V | [M] |
| C2181 | ECJ1VB1A105K | 1 10V | [M] |
| C2182 | ECJ1VB1A105K | 1 10V | [M] |
| C2183 | ECJ1VB1C224K | 0.22 16V | [M] |
| C2191 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C2192 | F1H1C104A041 | 0.1 16V | [M] |
| C2193 | ECJ1VB1A105K | 1 10V | [M] |
| C2194 | F1H1A154A001 | 0.15 10V | [M] |
| C2195 | ECJ1VB1A474K | 0.47 10V | [M] |
| C2201 | ECJ1VB1A105K | 1 10V | [M] |
| C2212 | ECJ1VB1C105K | 1 16V | [M] |
| C2213 | F1H1H103A219 | 0.01 50V | [M] |
| C2214 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2221 | F1H1H332A013 | 3300P 50V | [M] |
| C2222 | ECJ1VB1C105K | 1 16V | [M] |
| C2224 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2231 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2232 | ECJ1VB1C105K | 1 16V | [M] |
| C2234 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2245 | ECA1CAK100XB | 10 16V | [M] |
| C2252 | ECJ1VB1C105K | 1 16V | [M] |
| C2254 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C2261 | F1H1H103A219 | 0.01 50V | [M] |
| C2271 | F1H1A154A001 | 0.15 10V | [M] |

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|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [...] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C2272 | ECJ1VB1H104K | 0.1 50V | [M] |
| C2273 | F1H1H103A219 | 0.01 50V | [M] |
| C2274 | F1H1H103A219 | 0.01 50V | [M] |
| C2275 | F1H1H332A013 | 3300P 50V | [M] |
| C2281 | ECJ1VB1A105K | 1 10V | [M] |
| C2282 | ECJ1VB1A105K | 1 10V | [M] |
| C2283 | ECJ1VB1H473K | 0.047 50V | [M] |
| C2301 | ECJ1VB1A224K | 0.22 10V | [M] |
| C2302 | ECJ1VB1A224K | 0.22 10V | [M] |
| C2311 | ECJ1VB1A105K | 1 10V | [M] |
| C2312 | ECJ1VB1A105K | 1 10V | [M] |
| C2313 | F1H1H470A230 | 47P 50V | [M] |
| C2314 | ECJ1VC1H100D | 10P 50V | [M] |
| C2315 | ECA1CAK220XB | 22 16V | [M] |
| C2321 | ECJ1VB1A105K | 1 10V | [M] |
| C2323 | ECJ1VB1H153K | 0.015 50V | [M] |
| C2325 | ECA1CAK100XB | 10 16V | [M] |
| C2331 | ECJ1VB1H472K | 4700P 50V | [M] |
| C2333 | ECJ1VB1A105K | 1 10V | [M] |
| C2341 | F1H1H102A219 | 1000P 50V | [M] |
| C2342 | ECJ1VB1A105K | 1 10V | [M] |
| C2343 | ECJ1VB1A474K | 0.47 10V | [M] |
| C2344 | ECJ1VB1A474K | 0.47 10V | [M] |
| C2401 | ECJ1VB1A224K | 0.22 10V | [M] |
| C2402 | ECJ1VB1A224K | 0.22 10V | [M] |
| C2411 | ECJ1VB1A105K | 1 10V | [M] |
| C2412 | ECJ1VB1A105K | 1 10V | [M] |
| C2413 | F1H1H470A230 | 47P 50V | [M] |
| C2414 | ECJ1VC1H100D | 10P 50V | [M] |
| C2415 | ECA1CAK220XB | 22 16V | [M] |
| C2421 | ECJ1VB1A105K | 1 10V | [M] |
| C2423 | ECJ1VB1H153K | 0.015 50V | [M] |
| C2425 | ECA1CAK100XB | 10 16V | [M] |
| C2431 | ECJ1VB1H472K | 4700P 50V | [M] |
| C2433 | ECJ1VB1A105K | 1 10V | [M] |
| C2441 | F1H1H102A219 | 1000P 50V | [M] |
| C2442 | ECJ1VB1A105K | 1 10V | [M] |
| C2443 | ECJ1VB1A474K | 0.47 10V | [M] |
| C2444 | ECJ1VB1A474K | 0.47 10V | [M] |
| C2501 | ECJ1VB1A105K | 1 10V | [M] |
| C2503 | ECJ1VB1A105K | 1 10V | [M] |
| C2507 | ECJ1VB1C224K | 0.22 16V | [M] |
| C2509 | ECA1CAK330XB | 33 16V | [M] |
| C2511 | ECEA1HKN2R2B | 2.2 50V | [M] |
| C2581 | ECA1CAK101XB | 100 16V | [M] |
| C2582 | ECA1CAK101XB | 100 16V | [M] |
| C2583 | ECA1CAK101XB | 100 16V | [M] |
| C2584 | F1H1H221A748 | 220P 50V | [M] |
| C2585 | F1H1H221A748 | 220P 50V | [M] |
| C2588 | F1H1C104A041 | 0.1 16V | [M] |
| C2601 | F1H1H103A219 | 0.01 50V | [M] |
| C2602 | ECA1CAK100XB | 10 16V | [M] |
| C2603 | F1H1H103A219 | 0.01 50V | [M] |
| C2604 | F1H1H102A219 | 1000P 50V | [M] |
| C2606 | F1H1H102A219 | 1000P 50V | [M] |
| C2607 | ECJ1VB1E473K | 0.047 25V | [M] |
| C2608 | ECJ1VC1H080D | 8P 50V | [M] |

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|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C2609 | F1H1H102A219 | 1000P 50V | [M] |
| C2610 | F1H1H103A219 | 0.01 50V | [M] |
| C2611 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C2612 | F1H1H103A219 | 0.01 50V | [M] |
| C2613 | F1H1H102A219 | 1000P 50V | [M] |
| C2614 | ECA1HAK3R3XB | 3.3 50V | [M] |
| C2615 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C2616 | F1H1C333A071 | 0.033 16V | [M] |
| C2617 | F1H1H103A219 | 0.01 50V | [M] |
| C2618 | F1H1H103A219 | 0.01 50V | [M] |
| C2620 | ECA1CAK100XB | 10 16V | [M] |
| C2621 | ECA1HAKR47XB | 0.47 50V | [M] |
| C2622 | ECA1HAK010XB | 1 50V | [M] |
| C2623 | ECA1HAK010XB | 1 50V | [M] |
| C2624 | ECJ1VC1H101K | 100P 50V | [M] |
| C2625 | ECA1CAK220XB | 22 16V | [M] |
| C2626 | ECJ1VF1C105Z | 1 16V | [M] |
| C2627 | ECA1CAK220XB | 22 16V | [M] |
| C2629 | ECA0JAK101XB | 100 6.3V | [M] |
| C2630 | ECA0JAK101XB | 100 6.3V | [M] |
| C2631 | ECJ1VC1H151J | 150P 50V | [M] |
| C2632 | F1H1H102A219 | 1000P 50V | [M] |
| C2633 | ECJ1VC1H120J | 12P 50V | [M] |
| C2634 | ECJ1VC1H120J | 12P 50V | [M] |
| C2636 | F1H1H102A219 | 1000P 50V | [M] |
| C2637 | F1H1H332A013 | 3300P 50V | [M] |
| C2638 | F1H1H103A219 | 0.01 50V | [M] |
| C2639 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C2641 | ECA1HAK010XB | 1 50V | [M] |
| C2642 | ECA1HAK010XB | 1 50V | [M] |
| C2643 | ECJ1VB1H682K | 6800P 50V | [M] |
| C2644 | ECJ1VB1H682K | 6800P 50V | [M] |
| C2647 | F1H1H102A219 | 1000P 50V | [M] |
| C2648 | F1H1H103A219 | 0.01 50V | [M] |
| C2649 | F1H1C104A008 | 0.1 16V | [M] |
| C2671 | ECJ1VC1H101K | 100P 50V | [M] |
| C2673 | ECJ1VC1H101K | 100P 50V | [M] |
| C2674 | F1H1H103A219 | 0.01 50V | [M] |
| C2678 | F1H1H103A219 | 0.01 50V | [M] |
| C2701 | F1H1H103A219 | 0.01 50V | [M] |
| C2702 | ECA1CAK101XB | 100 16V | [M] |
| C2705 | ECA1HAK010XB | 1 50V | [M] |
| C2706 | ECA1HAK010XB | 1 50V | [M] |
| C2711 | ECA1CAK101XB | 100 16V | [M] |
| C2712 | F1H1H103A219 | 0.01 50V | [M] |
| C2753 | F1H1C104A041 | 0.1 16V | [M] |
| C2802 | ECA1HAK2R2XB | 2.2 50V | [M] |
| C2803 | ECJ1VB1A105K | 1 10V | [M] |
| C2821 | ECJ1VC1H101K | 100P 50V | [M] |
| C2852 | ECA1CAK101XB | 100 16V | [M] |
| C2853 | F1H1C104A041 | 0.1 16V | [M] |
| C2871 | F1H1H331A013 | 330P 50V | [M] |
| C2872 | F1H1C223A001 | 0.022 16V | [M] |
| C2874 | F1H1H331A013 | 330P 50V | [M] |
| C2882 | ECJ1VC1H180J | 18P 50V | [M] |
| C2883 | ECJ1VC1H180J | 18P 50V | [M] |
| C2901 | F1H1C104A041 | 0.1 16V | [M] |

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|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C2903 | F1H1H103A219 | 0.01 50V | [M] |
| C2904 | ECA1CAK101XB | 100 16V | [M] |
| C2906 | F1H1H102A219 | 1000P 50V | [M] |
| C2910 | ECJ1VB1H681K | 680P 50V | [M] |
| C2940 | F1H1C104A041 | 0.1 16V | [M] |
| C2941 | ECA1CAK330XB | 33 16V | [M] |
| C2943 | ECA1HAK2R2XB | 2.2 50V | [M] |
| C2944 | ECJ1VC1H101K | 100P 50V | [M] |
| C2945 | ECA1CAK470XB | 47 16V | [M] |
| C2947 | ECA0JAK101XB | 100 6.3V | [M] |
| C2948 | ECA1AAK221XB | 220 10V | [M] |
| C2957 | ECJ1VC1H101K | 100P 50V | [M] |
| C2959 | ECJ1VC1H101K | 100P 50V | [M] |
| C2976 | ECA1CAK100XB | 10 16V | [M] |
| C5101 | F2A1V102A154 | 1000P 35V | [M] |
| C5102 | ECA2AM100B | 10 100V | [M] |
| C5103 | ECA2AM100B | 10 100V | [M] |
| C5104 | F2A1V102A154 | 1000P 35V | [M] |
| C5105 | ECA1AAK221XB | 220 10V | [M] |
| C5106 | F1K2A1040007 | 0.1 100V | [M] |
| C5107 | F1K2A1040007 | 0.1 100V | [M] |
| C5109 | ECA1EAM101XB | 100 25V | [M] |
| C5110 | ECA1EAM101XB | 100 25V | [M] |
| C5111 | ECA0JAK101XB | 100 6.3V | [M] |
| C5112 | ECA1EAK100XB | 10 25V | [M] |
| C5113 | ECA1HM330B | 33 50V | [M] |
| C5114 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5115 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5117 | F2A1V471A141 | 470P 35V | [M] |
| C5118 | F2A1V471A141 | 470P 35V | [M] |
| C5121 | ECA1HAM470XB | 47 50V | [M] |
| C5123 | F2A1V471A141 | 470P 35V | [M] |
| C5124 | F2A1V471A141 | 470P 35V | [M] |
| C5151 | ECJ1VC1H101K | 100P 50V | [M] |
| C5152 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5153 | ECJ1VC1H101K | 100P 50V | [M] |
| C5155 | F1H1H102A219 | 1000P 50V | [M] |
| C5157 | F1H1H103A219 | 0.01 50V | [M] |
| C5158 | F1H1H103A219 | 0.01 50V | [M] |
| C5159 | F1H1H103A219 | 0.01 50V | [M] |
| C5171 | F2A1H102A201 | 1000P 50V | [M] |
| C5172 | F2A1H102A201 | 1000P 50V | [M] |
| C5201 | F1H1H471A219 | 470P 50V | [M] |
| C5202 | ECJ1VC1H101K | 100P 50V | [M] |
| C5203 | ECJ1VC1H101K | 100P 50V | [M] |
| C5204 | ECJ1VC1H101K | 100P 50V | [M] |
| C5205 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5208 | F2A0J681A550 | 680P 6.3V | [M] |
| C5210 | F1H1H221A748 | 220P 50V | [M] |
| C5301 | ECJ1VB1A474K | 0.47 10V | [M] |
| C5302 | F1H1H331A013 | 330P 50V | [M] |
| C5303 | ECJ1VB1A474K | 0.47 10V | [M] |
| C5304 | ECJ1VB1A474K | 0.47 10V | [M] |
| C5305 | F1H1H331A013 | 330P 50V | [M] |
| C5306 | ECJ1VB1A474K | 0.47 10V | [M] |
| C5308 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5309 | ECJ1VB1H104K | 0.1 50V | [M] |

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|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C5310 | F1K2A1040007 | 0.1 100V | [M] |
| C5311 | F1H1H221A748 | 220P 50V | [M] |
| C5312 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5313 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5314 | F1K2A1040007 | 0.1 100V | [M] |
| C5315 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5316 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5317 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5318 | F1K2A1040007 | 0.1 100V | [M] |
| C5319 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5320 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5321 | F1K2A1040007 | 0.1 100V | [M] |
| C5322 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5323 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5324 | ECQV1H684JL3 | 0.68 50V | [M] |
| C5325 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5326 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C5327 | ECQV1H684JL3 | 0.68 50V | [M] |
| C5328 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5329 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C5330 | F1H2A221A009 | 220P 100V | [M] |
| C5331 | F1H2A221A009 | 220P 100V | [M] |
| C5332 | F1H2A221A009 | 220P 100V | [M] |
| C5333 | F1H2A221A009 | 220P 100V | [M] |
| C5334 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5335 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5336 | F1H1H102A219 | 1000P 50V | [M] |
| C5337 | F1H1H102A219 | 1000P 50V | [M] |
| C5343 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5401 | ECJ1VB1A474K | 0.47 10V | [M] |
| C5402 | F1H1H331A013 | 330P 50V | [M] |
| C5403 | ECJ1VB1A474K | 0.47 10V | [M] |
| C5404 | ECJ1VB1A474K | 0.47 10V | [M] |
| C5405 | F1H1H331A013 | 330P 50V | [M] |
| C5406 | ECJ1VB1A474K | 0.47 10V | [M] |
| C5408 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5409 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5410 | F1K2A1040007 | 0.1 100V | [M] |
| C5411 | F1H1H221A748 | 220P 50V | [M] |
| C5412 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5413 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5414 | F1K2A1040007 | 0.1 100V | [M] |
| C5415 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5416 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5417 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5418 | F1K2A1040007 | 0.1 100V | [M] |
| C5419 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5420 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5421 | F1K2A1040007 | 0.1 100V | [M] |
| C5422 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5423 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5424 | ECQV1H684JL3 | 0.68 50V | [M] |
| C5425 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5426 | ERJ3GEY0R00V | 0 1/16W | [M] |
| C5427 | ECQV1H684JL3 | 0.68 50V | [M] |
| C5428 | ECJ1VB1H104K | 0.1 50V | [M] |
| C5429 | ERJ3GEY0R00V | 0 1/16W | [M] |

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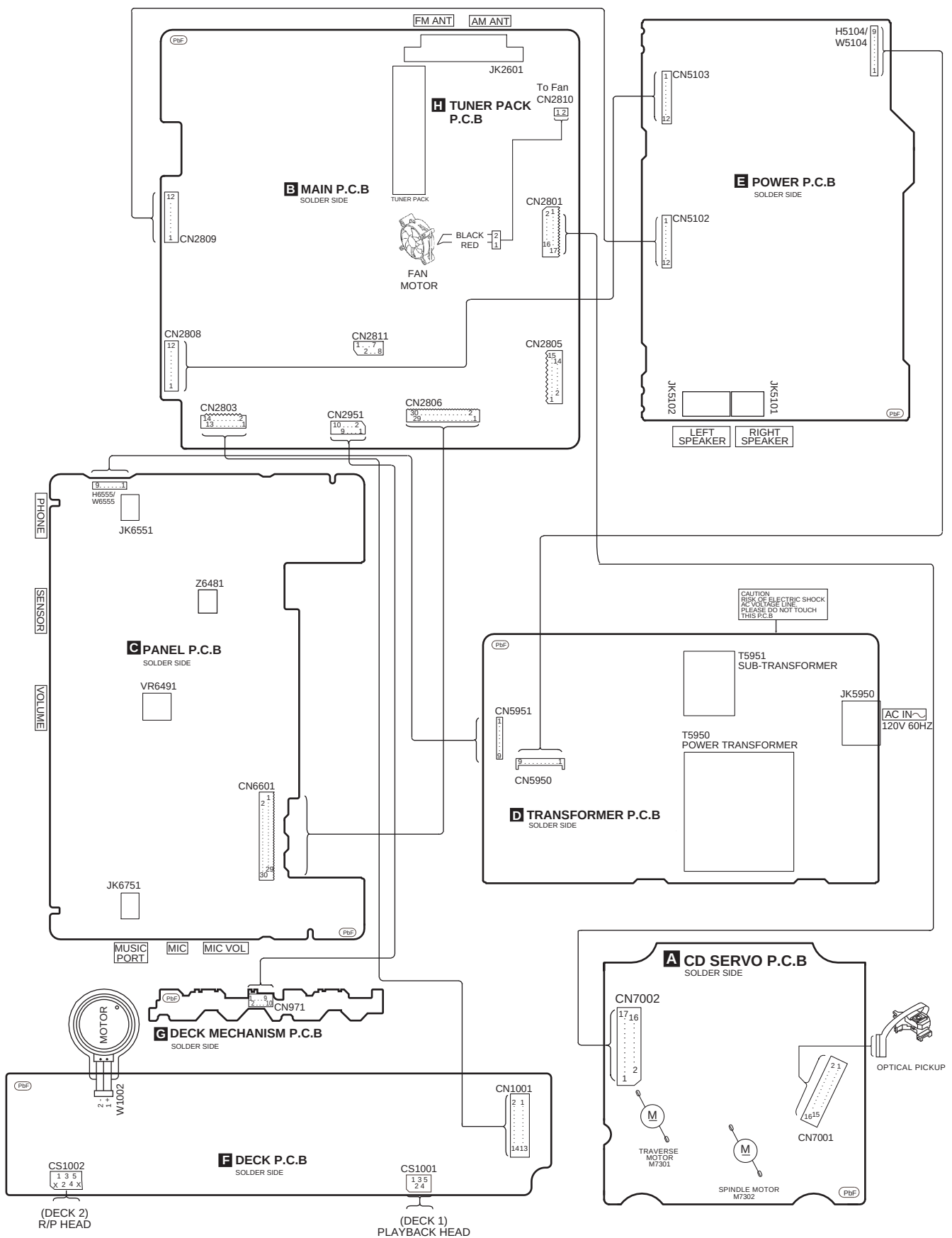
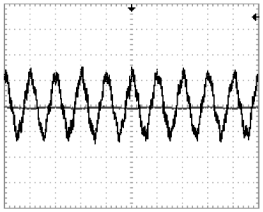
|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C5430 | F1H2A221A009 | 220P 100V | [M] |
| C5431 | F1H2A221A009 | 220P 100V | [M] |
| C5432 | F1H2A221A009 | 220P 100V | [M] |
| C5433 | F1H2A221A009 | 220P 100V | [M] |
| C5434 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5435 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5436 | F1H1H102A219 | 1000P 50V | [M] |
| C5437 | F1H1H102A219 | 1000P 50V | [M] |
| C5438 | ECJ1VB1H153K | 0.015 50V | [M] |
| C5701 | ECA0JAK101XB | 100 6.3V | [M] |
| C5920 | F2A1H102A201 | 1000P 50V | [M] |
| C5940 | F2A1H102A201 | 1000P 50V | [M] |
| C5950 | ECA1EAM222XE | 2200 25V | [M] |
| C5951 | F1B1H103A007 | 0.01 50V | [M] |
| C5952 | ECA1AAK470XB | 47 10V | [M] |
| C5953 | F1B1H103A007 | 0.01 50V | [M] |
| C5954 | F1B1H103A007 | 0.01 50V | [M] |
| C5955 | ECA1HM220B | 22 50V | [M] |
| C5956 | ECA1HAM470XB | 47 50V | [M] |
| C5957 | ECA1HAK100XB | 10 50V | [M] |
| C5958 | F1B1H103A007 | 0.01 50V | [M] |
| C5959 | F1B1H103A007 | 0.01 50V | [M] |
| C5960 | ECQE2104KF3 | 0.1 250V | [M] |
| C5961 | ECA1AAK221XB | 220 10V | [M] |
| C5962 | ECA1AAK221XB | 220 10V | [M] |
| C5963 | ECA1HAK4R7XB | 4.7 50V | [M] |
| C6481 | ECA1HM220B | 22 50V | [M] |
| C6491 | ECJ1VC1H101K | 100P 50V | [M] |
| C6492 | ECJ1VC1H101K | 100P 50V | [M] |
| C6521 | F1H1H103A219 | 0.01 50V | [M] |
| C6551 | F1H1H103A219 | 0.01 50V | [M] |
| C6552 | F1H1H103A219 | 0.01 50V | [M] |
| C6553 | F1H1H103A219 | 0.01 50V | [M] |
| C6601 | ECJ1VC1H101K | 100P 50V | [M] |
| C6603 | ECJ1VC1H101K | 100P 50V | [M] |
| C6604 | ECJ1VC1H101K | 100P 50V | [M] |
| C6623 | ECA1HM220B | 22 50V | [M] |
| C6631 | ECA1HM220B | 22 50V | [M] |
| C6632 | ECA1HM220B | 22 50V | [M] |
| C6635 | ECA1HM220B | 22 50V | [M] |
| C6636 | ECJ1VC1H101K | 100P 50V | [M] |
| C6751 | D0GB472JA041 | 4.7K 1/16W | [M] |
| C6752 | D0GB472JA041 | 4.7K 1/16W | [M] |
| C6753 | F1H1H103A219 | 0.01 50V | [M] |
| C7102 | ECJ1VB1A474K | 0.47 10V | [M] |
| C7107 | ECJ1VB1H223K | 0.022 50V | [M] |
| C7142 | ECJ1VB1H332K | 3300P 50V | [M] |
| C7154 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7155 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7161 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7164 | ECJ2FF1A106Z | 10 10V | [M] |
| C7165 | ECJ2FF1A106Z | 10 10V | [M] |
| C7166 | ECJ1VB1H103K | 0.01 50V | [M] |
| C7203 | ECEA0JKA221I | 220 6.3V | [M] |
| C7204 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7216 | ECJ1VB1H681K | 680P 50V | [M] |
| C7217 | ECJ1VB1C104K | 0.1 16V | [M] |

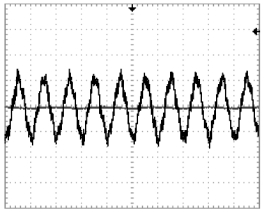
| Ref. No. | Part No. | Part Name & Description | Remarks |
|---|---|---|---|
| C7218 | ECJ1VB1C823K | 0.082 16V | [M] |
| C7223 | ECEA1HKA4R7I | 4.7 50V | [M] |
| C7225 | ECJ1VB1H102K | 1000P 50V | [M] |
| C7226 | ECJ1VB1H102K | 1000P 50V | [M] |
| C7227 | ECA1HAK010XI | 1 50V | [M] |
| C7228 | ECA1HAK010XI | 1 50V | [M] |
| C7230 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7231 | ECEA0JKA221I | 220 6.3V | [M] |
| C7232 | ECEA0JKA221I | 220 6.3V | [M] |
| C7233 | ECJ1VF1C104Z | 0.1 16V | [M] |
| C7234 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7235 | ECEA1CKA100I | 10 16V | [M] |
| C7241 | ECJ1VB1H102K | 1000P 50V | [M] |
| C7243 | ECJ1VF1C104Z | 0.1 16V | [M] |
| C7244 | ECJ1VB1C153K | 0.015 16V | [M] |
| C7253 | ECJ1VB1H471K | 470P 50V | [M] |
| C7263 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7264 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7315 | ECJ1VB1A474K | 0.47 10V | [M] |
| C7334 | ECEA1AKA221I | 220 10V | [M] |
| C7335 | ECJ1VF1C104Z | 0.1 16V | [M] |
| C7338 | ECJ1VB1C563K | 0.056 16V | [M] |
| C7339 | ECJ1VB1C183K | 0.018 16V | [M] |
| C7352 | ECJ1VB1C183K | 0.018 16V | [M] |
| C7601 | ECEA0JKA330I | 33 6.3V | [M] |
| C7613 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7614 | ECEA0JKA101I | 100 6.3V | [M] |
| C7626 | ECJ1VB1C104K | 0.1 16V | [M] |
| C7670 | ECJ1VB1C104K | 0.1 16V | [M] |

# PRT0510 S/E/J/N/A

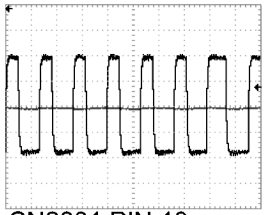

FM ANT
AM ANT
JK2601
H TUNER PACK P.C.B
To Fan CN2810
TUNER PACK
B MAIN P.C.B
SOLDER SIDE
CN2809
CN2801
BLACK
RED
FAN MOTOR
H5104/ W5104
CN5103
E POWER P.C.B
SOLDER SIDE
CN5102
JK5102
JK5101
LEFT SPEAKER
RIGHT SPEAKER
CN2808
CN2811
CN2805
CN2803
CN2951
CN2806
PHONE
SENSOR
VOLUME
H6555/ W6555
JK6551
Z6481
C PANEL P.C.B
SOLDER SIDE
VR6491
CN6601
JK6751
MUSIC PORT
MIC
MIC VOL
CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE
PLEASE DO NOT TOUCH
THIS P.C.B
T5951
SUB-TRANSFORMER
JK5950
AC IN
120V 60HZ
CN5951
T5950
POWER TRANSFORMER
CN5950
D TRANSFORMER P.C.B
SOLDER SIDE
A CD SERVO P.C.B
SOLDER SIDE
CN7002
OPTICAL PICKUP
CN7001
TRAVERSE MOTOR M7301
SPINDLE MOTOR M7302
MOTOR
CN971
G DECK MECHANISM P.C.B
SOLDER SIDE
W1002
CN1001
F DECK P.C.B
SOLDER SIDE
CS1002
CS1001
(DECK 2) R/P HEAD
(DECK 1) PLAYBACK HEAD



CN2801 PIN 1
CD PLAY
600mVp-p (1msec.div)

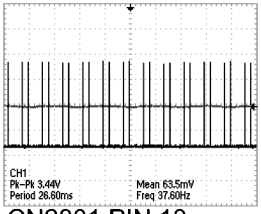


CN2801 PIN 3
CD PLAY
616mVp-p (1msec.div)

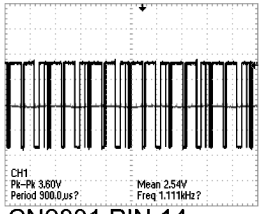


CN2801 PIN 10
CD PLAY
3.96Vp-p (5msec.div)

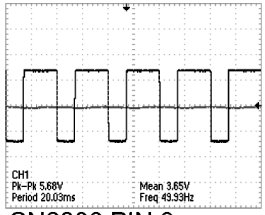
CN2801 PIN 11
CD PLAY
3.66Vp-p (5usec.div)



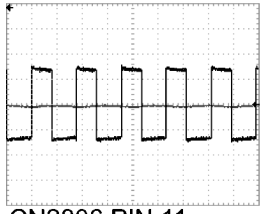

CN2801 PIN 13
CD PLAY
3.44Vp-p (50msec.div)



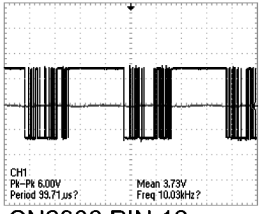

CN2801 PIN 14
CD PLAY
3.6Vp-p (25msec.div)



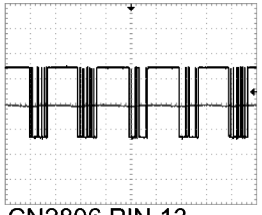

CN2806 PIN 3
CD PLAY
5.68Vp-p (10msec.div)



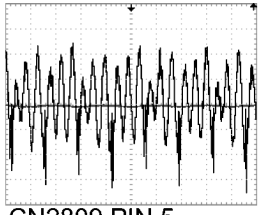
CN2806 PIN 11
CD PLAY
6.08Vp-p (5usec.div)



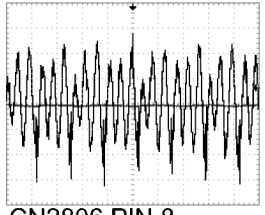

CN2806 PIN 12
CD PLAY
6Vp-p (5msec.div)



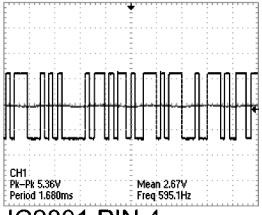
CN2806 PIN 13
CD PLAY
5.68Vp-p (10msec.div)



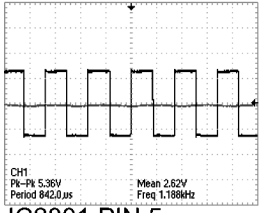
CN2809 PIN 5
CD PLAY
119mVp-p (1usec.div)



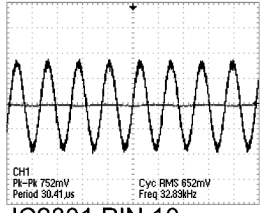
CN2806 PIN 8
CD PLAY
121mVp-p (1usec.div)



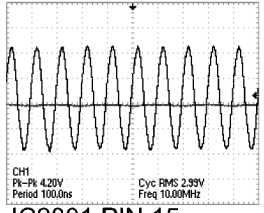

IC2801 PIN 4
CD PLAY
5.36Vp-p (5msec.div)




IC2801 PIN 5
CD PLAY
5.36Vp-p (500usec.div)




IC2801 PIN 10
CD PLAY
752mVp-p (25usec.div)




IC2801 PIN 15
CD PLAY
4.2Vp-p (100nsec.div)

# POWER P.C.B.

| Ref No. | IC5201 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | | | | | |
| CD PLAY | 0 | 5 | 2.4 | 2.5 | 2.3 | 2.4 | 0 | 4.2 | 1.6 | 2.5 | 2.6 | 3.2 | 1.5 | 5 | | | | | | |
| STANDBY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.07 | 0 | 0 | 0 | 0 | | | | | | |
| Ref No. | IC5301 | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| CD PLAY | 2.43 | 0.05 | 0.05 | 28.54 | -0.02 | -30 | -22 | 28.95 | 11 | -0.1 | -30 | -18 | -30 | -0.1 | 10.8 | 29 | -30 | -30 | 0 | 28.6 |
| STANDBY | 0.1 | 0 | 0 | 0.1 | 0 | 0.5 | 0.1 | 0.1 | 0.05 | 0.2 | 0.5 | 0.1 | 0.5 | 0.2 | 0 | 0.1 | 0.5 | 0.8 | 0 | 0.1 |
| Ref No. | IC5301 | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | | | | | | | | | | | | | | | | | |
| CD PLAY | -0.1 | -0.1 | 4.6 | | | | | | | | | | | | | | | | | |
| STANDBY | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Ref No. | IC5401 | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| CD PLAY | 24.3 | -0.05 | -0.05 | 28.5 | -0.01 | -30 | -22 | 28 | 0 | -0.1 | -30 | 17 | 30 | 0 | 11 | 28.9 | -30 | -30 | 0 | 28.55 |
| STANDBY | 0 | 0 | 0 | 0.1 | 0 | 0.5 | 0.1 | 0.1 | 0.1 | 0.25 | 0.5 | 0.1 | 0.5 | 0.2 | 0 | 0.1 | 0.5 | 0.5 | 0 | 0.1 |
| Ref No. | IC5401 | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | | | | | | | | | | | | | | | | | |
| CD PLAY | -0.1 | -0.1 | 45.8 | | | | | | | | | | | | | | | | | |
| STANDBY | 0 | 0 | 0 | | | | | | | | | | | | | | | | | |

# POWER P.C.B.

| Ref No. | Q5101 | | | | Q5102 | | | | Q5103 | | | | Q5104 | | | | Q5108 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B |
| CD PLAY | 29 | 40.7 | 32.5 | | -41 | 30.4 | -37.7 | | 0 | 5.4 | -0.3 | | -0.3 | 5.4 | 0 | | -41 | -37.8 | -40.5 |
| STANDBY | 0 | 0 | 10.5 | | -1 | 0 | 0 | | 0 | 0.5 | 0.2 | | 0.2 | 0.5 | 0 | | -0.6 | 0 | 0.7 |
| Ref No. | Q5109 | | | | Q5110 | | | | Q5111 | | | | Q5112 | | | | Q5113 | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B |
| CD PLAY | -5 | -15.3 | -3.6 | | 28.4 | 32.5 | 29 | | 15.4 | 28.3 | 16.1 | | 17.1 | 12 | 16.4 | | 17.3 | 16.5 | 17.1 |
| STANDBY | 0 | -0.7 | 0 | | 0 | 11 | 0 | | 0.06 | 0.06 | 0.07 | | 0.42 | 0.08 | 0.45 | | 0.47 | 0.45 | 0.47 |
| Ref No. | Q5114 | | | | Q5115 | | | | Q5201 | | | | Q5202 | | | | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | | | |
| CD PLAY | 11.3 | 16.4 | 11.8 | | 5.1 | 5.7 | 8 | | 2.6 | 2.5 | 2.4 | | 2.6 | 0 | 5.1 | | | | |
| STANDBY | 0 | 0.43 | 0.47 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | | | |

# TRANSFORMER P.C.B.

| Ref No. | Q5950 | | | | Q5951 | | | | Q5952 | | | | Q5953 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | | | |
| CD PLAY | 6.2 | 6.8 | 12.2 | | -24.6 | -45 | -25 | | 0 | 3.6 | -0.4 | | 0 | 0.1 | 0.8 | | | | |
| STANDBY | 6.2 | 6.8 | 14.8 | | -20 | -20 | -20 | | 0 | 3.8 | -0.4 | | 0 | 6.2 | 0 | | | | |
| Ref No. | | | | | | | | | | | | | | | | | | | |
| MODE | | | | | | | | | | | | | | | | | | | |
| CD PLAY | | | | | | | | | | | | | | | | | | | |
| STANDBY | | | | | | | | | | | | | | | | | | | |
| Ref No. | | | | | | | | | | | | | | | | | | | |
| MODE | | | | | | | | | | | | | | | | | | | |
| CD PLAY | | | | | | | | | | | | | | | | | | | |
| STANDBY | | | | | | | | | | | | | | | | | | | |
| Ref No. | | | | | | | | | | | | | | | | | | | |
| MODE | | | | | | | | | | | | | | | | | | | |
| CD PLAY | | | | | | | | | | | | | | | | | | | |
| STANDBY | | | | | | | | | | | | | | | | | | | |

# MAIN P.C.B.

| Ref No. | Q2142 | | | Q2242 | | | Q2311 | | | Q2317 | | | Q2341 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| CD PLAY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -3.5 | 0 | 0 | -3.5 | 0 | 0 | -3.5 |
| STANDBY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0.6 | 0 | 0 | 0.6 |
| Ref No. | Q2411 | | | Q2417 | | | Q2441 | | | Q2501 | | | Q2511 | | |
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| CD PLAY | 0 | 0 | -3.5 | 0 | 0 | -3.5 | - | - | - | 0.3 | 2.2 | 1 | 0 | -3.9 | 0 |
| STANDBY | 0 | 0 | 0.6 | 0 | 0 | 0.6 | 0 | 0 | 0.6 | 0.4 | 0.6 | 1.1 | 2.7 | 2.7 | 0 |
| Ref No. | Q2521 | | | Q2601 | | | Q2606 | | | Q2610 | | | Q2803 | | |
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| CD PLAY | 0.1 | 2.6 | 0.8 | 0 | 0 | 0 | 15.1 | 0 | 15.1 | 1.6 | 7.6 | 2.2 | 0 | 5.5 | 0 |
| STANDBY | 0.1 | 2.9 | 0.8 | 0 | 0 | 0 | 14.9 | 0 | 14.9 | 1.6 | 7.6 | 2.2 | 0 | 5.5 | 0 |
| Ref No. | Q2901 | | | Q2902 | | | Q2906 | | | Q2907 | | | Q2936 | | |
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| CD PLAY | 5.7 | 3.4 | 5 | 2.6 | 5.1 | 3.2 | 0 | 5.1 | 0 | 0 | 1.7 | 0.4 | 12 | 0 | 12 |
| STANDBY | 6.9 | 3.4 | 6.2 | 2.6 | 6.2 | 2.2 | 0 | 5.1 | 0 | 0 | 5.1 | 0 | 12.1 | 2 | 12.1 |
| Ref No. | Q2937 | | | Q2942 | | | Q2943 | | | Q2948 | | | Q2949 | | |
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| CD PLAY | 0 | 12 | 0 | 12 | 0 | 12 | 0 | 12 | 0 | 0 | 0 | 0.2 | 0 | 5.4 | 0 |
| STANDBY | 0 | 12.1 | 0 | 12.1 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0.2 | 0 | 5.4 | 0 |
| Ref No. | Q2950 | | | Q2951 | | | Q2952 | | | Q2957 | | | Q2958 | | |
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| CD PLAY | 5.5 | 5.5 | 4.8 | 5.5 | 5.5 | 0 | 0 | 0.1 | 5.4 | 0 | 12 | 0 | 12 | 0 | 12 |
| STANDBY | 5.5 | 5.5 | 4.8 | 5.5 | 5.5 | 4.8 | 0 | 0.1 | 5.4 | 0 | 12.1 | 0 | 2.6 | 6.2 | 3.2 |
| Ref No. | Q2959 | | | Q2960 | | | Q2978 | | | Q2980 | | | | | |
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | | | |
| CD PLAY | 0 | 12 | 0 | 12 | 0 | 12 | 5.1 | 0 | 5.4 | 5.1 | -0.4 | 5.4 | | | |
| STANDBY | 0 | 12.1 | 0 | 12.1 | 0 | 0 | 5.1 | 0 | 5.4 | 5.1 | -0.4 | 5.4 | | | |

# MAIN P.C.B.

| Ref No. | IC2601 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| CD PLAY | 2 | 0 | 2 | 0 | 0 | 5 | 5.2 | 3.8 | 6 | 0 | 4.9 | 3.6 | 0 | 1.5 | 1.9 | 2 | 2 | 0 | 0 | 0.1 |
| STANDBY | 2 | 6 | 2 | 2 | 0 | 5 | 5.2 | 0 | 6 | 0 | 4.9 | 0 | 1.5 | 1.5 | 1.9 | 2 | 2 | 0 | 0 | 0 |

| Ref No. | IC2601 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 21 | 22 | 23 | 24 | | | | | | | | | | | | | | | | |
| CD PLAY | 2.4 | 2.4 | 6 | 4.6 | | | | | | | | | | | | | | | | |
| STANDBY | 2.4 | 2.4 | 6 | 4.6 | | | | | | | | | | | | | | | | |

| Ref No. | IC2602 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| CD PLAY | 2.6 | 0 | 0 | 0 | 5.2 | 0 | 1.2 | 4.6 | 0 | 14.9 | 0 | 0 | 2.6 | 0 | 0 | 0 | 0 | 15 | 0 | 2.6 |
| STANDBY | 2.6 | 0 | 0 | 0 | 5.2 | 4.9 | 0.8 | 4.6 | 0 | 15 | 0 | 0 | 2.6 | 0 | 5.2 | 0 | 0 | 0 | 0 | 0 |

| Ref No. | IC2801 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| CD PLAY | 2.5 | 0 | 0 | 2.5 | 2.5 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.7 | 5.5 | 2.7 | - | 5.5 | 5.5 | 5.4 | 5.5 | 3.6 |
| STANDBY | 0 | 0 | 0 | 2.4 | 2.5 | 0 | 0 | 0 | 0 | 0.6 | 0.7 | 0 | 2.7 | 0 | 2.7 | 5.5 | 5.5 | 5.5 | 0 | 3.7 |

| Ref No. | IC2801 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| CD PLAY | 5.1 | 5.1 | 0 | 0 | 0 | 0 | 5.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.4 | 0 | 5.4 | 0 |
| STANDBY | 5.2 | 5.1 | 0 | 0 | 0 | 0 | 5.5 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5.4 | 0 | 5.5 | 5.5 |

| Ref No. | IC2801 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| CD PLAY | 0 | 0 | 0 | 0 | 0 | 5.4 | 5..4 | 0 | 0 | 0 | 0 | 0 | 5.1 | 0 | 0 | 0 | 0 | 5.5 | 5.5 | 5.5 |
| STANDBY | 0 | 0 | 0 | 0 | 0 | 5.4 | 5..4 | 0 | 0 | 0 | 0 | 5 | 5.1 | 0 | 0 | 0 | 0 | 5.5 | 5.5 | 5.5 |

| Ref No. | IC2801 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| CD PLAY | 0 | 5.5 | 0 | 0 | 0 | 5.5 | 0 | 0 | 0 | 3.5 | 3.8 | 4.7 | 0 | 5.5 | 1 | 5.4 | 4.2 | 4.9 | 5.1 | 0 |
| STANDBY | 0 | 5.5 | 0 | 0 | 0 | 5.5 | 0 | 0 | 0 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.1 | 5.5 | 0 | 5.5 | 5.1 | 0 |

| Ref No. | IC2801 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| CD PLAY | 0 | 4.6 | 5.1 | 0 | 0 | 5.1 | 0 | 0 | 0 | 0.1 | 5.1 | 5.5 | 4.6 | 4.6 | 4.7 | 0 | 4.7 | 5.5 | 5.5 | 5.4 |
| STANDBY | 0 | 4.6 | 5.1 | 0 | 0 | 5.1 | 0 | 0 | 0 | 0.1 | 5.1 | 5.5 | 4.6 | 4.6 | 4.7 | 0 | 4.7 | 5.5 | 5.5 | 5.4 |

| Ref No. | IC2803 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| CD PLAY | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 0 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| STANDBY | 0 | 4.6 | 0 | 0 | 4.6 | 4.6 | 4.6 | 0 | 0 | 4.6 | 0 | 4.6 | 0 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |

| Ref No. | IC2803 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| CD PLAY | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 0 | 0 | 0 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 9.2 | 5.5 | 0 |
| STANDBY | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 0 | 0 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 9.2 | 5.5 | 0 |

| Ref No. | IC2803 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | | | | |
| CD PLAY | 0 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 8 | 2.2 | | | | |
| STANDBY | 0 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 0 | 0 | 4.6 | 0 | 0 | 0 | | | | |

| Ref No. | IC2804 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | | |
| CD PLAY | 7.5 | 7.4 | 7.3 | 0 | 15.1 | 7.5 | 7.4 | 7.3 | | | | | | | | | | | | |
| STANDBY | 7.5 | 7.4 | 7.3 | 0 | 15.1 | 7.5 | 7.5 | 7.3 | | | | | | | | | | | | |

| Ref No. | IC2809 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | | | |
| CD PLAY | 2.5 | 0 | 5 | 0 | 2.5 | 0 | 0 | 2.6 | 2.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| STANDBY | 2.5 | 2.5 | 5 | 0 | 2.5 | 2.5 | 0 | 2.6 | 2.5 | 0 | 5.1 | 0 | 0 | 2.6 | 0 | 0 | | | | |

| Ref No. | IC2871 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | | |
| CD PLAY | 0 | 5.5 | 0 | 0 | 0.8 | 0.8 | 0 | 1 | | | | | | | | | | | | |
| STANDBY | 0 | 5.5 | 0 | 0 | 0 | 0 | 0 | 0.9 | | | | | | | | | | | | |

SCHEMATIC DIAGRAM - 7

## F DECK CIRCUIT

—— : +B SIGNAL
▨▨▨ : RECORD SIGNAL LINE
▨▨▨ : PLAYBACK SIGNAL

TO B
MAIN CIRCUIT (CN2803) ON SCHEMATIC DIAGRAM-3

CN1001 (14 13 12 11 10 9 8 7 6 5 4 3 2 1)
PBL PBR AFGND RECINL RECINR +B REC_H MO+B MO GND DMT DECK1_H BP1 MOTOR

PLACKBACK HEAD (L R) — CS1001 (1 2 3 4 5)
RECORD/PLAY HEAD (L R) — ERASE HEAD — CS1002 (1 2 3 4 5)

IC1001
AN7348S-E1
P.B EQ/REC AMP/ ALC/TPS AMP

TAPE A INPUT, TAPE A INPUT, PB AMP NF, PB AMP EQ, PB AMP OUTPUT, ALC LOW CUT, REC IN, REC OUT, ALC T, HI/LO, CRO/NOR, VCC
(24 23 22 21 20 19 18 17 16 15 14 13)

TAPE B INPUT, TAPE B INPUT, PB AMP NF, PB AMP EQ, PB AMP OUTPUT, AB SW T, REC IN, REC OUT, REC/PB SW, AB SW, RIPPLE FILTER, OUTPUT GND
(1 2 3 4 5 6 7 8 9 10 11 12)

R1101 0, R1100 0, R1015 47, C1032 0.018, C1030 10V100, R1018 3.9K, C1036 0.033, C1040 16V10, C1056 16V10, R1029 4.7M, C1043 50V4.7, C1044 10V33, R1090 220, R1040 0, C1059 0.01, C1046 16V220, C1057 1000P, C1038 220P, C1034 50V3.3, R1055 2.2K, R1098 10K, R1017 8.2K, C1020 470P, R1009 18K, C1019 1000P, C1058 1000P, C1031 10V100, R1019 3.9K, C1035 50V3.3, C1039 220P, R1099 0, R1030 100, C1045 10V22, C1023 1000P, C1027 1000P, C1033 0.018, R1016 47, C1037 50V3.3, C1041 16V10, R1035 10K, R1028 8.2K, C1042 16V22, R1031 27K, R1002 0, R1010 18K, C1021 470P, C1022 1000P, C1002 2.2, C1009 16V47, R1005 4.7K, R1026 1K, R1020 0, C1006 50V1, L1002 G2ZZZ00000024, L1001 G0C470JA0052, C1007 4700P, Q1004, Q1005 B1AAGC000007 BIAS OSCILLATOR, C1014 1000P, R1014 4.7K, R1012 4.7K, C1011 0.047, C1018 3300P, R1013 4.7K, R1007 4.7, R1004 1.5K, R1027 0, R1025 0, R1024 0, Q1003 B1AAGC000007 SWITCHING (RECH), C1010 25V100, C1013 1000P, C1016 2200P, C1017 2200P, R1003 10K, D1003 B0ACCK000005, R1102 10K, C1008 50V1, Q1007 B1ABCF000176 BIAS OSC CONTROL, R1011 8.2K, C1026 6.3V47

R1084 2.2K, R1049 0, C1049 3300P, R1032 10K, R1086 2.2K, R1050 0, C1050 3300P, R1022 10K, R1091 0, R1092 0, R1057 2.2K, R1097 10K, R1087 47K, R1085 47K, R1060 390

Q1017 B1AARC000003 MOTOR SWITCH — W1002 (1 2) (+ M -)

IC1004 C1AA00000612 R/P SELECT — VCC SW GND CTRL2 CTRL1 (1 2 3 4 5)

TP 10, TP 5, TP 4, TP 3, TP 11, TP 12

## G DECK MECHANISM CIRCUIT

IC971
CNB13030R2AU
PHOTO INTERRUPTER

S972 HALF, S971 MODE, S975 RECINH_F

VREF_GND HALF RECINH_R MODE RECINH_F AD_OUT STBY_5V (7 6 5 4 3 2 1)
Z971 RGSD12A1445T

R972 820, D971 MA2C16500E, PL970, R973 39K
MODE D1_CRO2 PL GND PHOTO_T HALF STBY_5V VREF_GND PHOTO_S

IC951
CNB13030R2AU
PHOTO INTERRUPTER

D951 MA2C16500E, PL971, R952 820, R953 39K
MODE D1_CRO2 PL GND PHOTO_T HALF STBY_5V VREF_GND

S952 HALF, S951 MODE

PL2 PL1 STBY_5V PL_GND AD_OUT PHOTO_PB PHOTO_RP HALF_PB VREF_GND MODE_PB (1 2 3 4 5 6 7 8 9 10)
CN971

TO C
PANEL CIRCUIT (CP2951) ON SCHEMATIC DIAGRAM-4

C5305 330P
C5302 330P
C5304 0.47
C5306 0.47
C5301 0.47
C5303 0.47
R5301 5.6K
W5507 0
R5303 5.6K
R5304 5.6K
R5302 5.6K
C5336 1000P
C5337 1000P
L5301 G0C220Z00002
R5308 10
R5307 10
C5333 220P
C5331 220P
C5330 220P
C5332 220P
C5324 0.68
C5325 0.1
C5326 0
R5305 22
R5306 22
C5327 0.68
C5328 0.1
C5329 0
C5123 35V470P
C5124 35V470P
LQ_R
AGND
HL_R
AGND
AGND
AGND
C5405 330P
W5505 0
C5404 0.47
C5406 0.47
R5403 5.6K
R5404 5.6K
C5436 1000P
C5402 330P
C5401 0.47
C5403 0.47
R5401 5.6K
R5402 5.6K
C5437 1000P
L5401 G0C220Z00002
R5408 10
R5407 10
C5432 220P
C5430 220P
C5431 220P
C5433 220P
C5424 0.68
C5425 0.1
C5426 0
R5405 22
L5603 G0B9R5K00001
R5406 22
C5427 0.68
C5428 0.1
C5429 0
L5604 G0B9R5K00001
C5117 35V470P
C5118 35V470P
L5403 J0JKB0000037
L5402 J0JKB0000037
LQ_L
HL_L
R5210 270
C5210 220P
AGND
R5514 0
F_HOP
R5201 1K
R5202 100K
C5701 100
R5204 100K
R5203 10K
C5201 470P
AGND
C5202 100P
C5203 100P
X5202 H2A375300003
R5205 100K
W5504
Q5201
R5207 6.8K
R5206 1M
Q5202
X5201 H2A415300001
C5208 6.3V680P
C5204 100P
C5205 0.1
R5209 10
IC5201
1A 1
1Y 2
2A 3
2Y 4
3A 5
3Y 6
GND 7
VCC 14
6A 13
6Y 12
5A 11
5Y 10
4A 9
4Y 8
IC5201
C0JBAB000011
LOGIC
Q5201
B1ABCF000176
FREQUENCY HOPPING SWITCH
Q5202
B1ADCF000063
FREQUENCY HOPPING SWITCH
L5101 J0JKB0000037
L5102 J0JKB0000037
R5112 47K
R5113 47K
R5317 10K
C5434 0.015
C5334 0.015
-L_LOW
+L_LOW
-L_HIGH
+L_HIGH
JK5102
L5601 G0B9R5K00001
C5438 0.015
+ R_HIGH
+ R_LOW
- L_HIGH
- L_LOW
C5335 0.015
C5435 0.015
L5602 G0B9R5K00001
JK5101
C5343 0.015
Q5103,Q5104
B1ABCF000176
FAN ON/OFF SWITCH
Q5104
Q5103
R5413 100K
R5313 150K
R5312 56K
R5412 220K
C5105 10V220
R5111 100K
C5155 1000P
R5417 10K
D5126 B0ACCK000005
R5518 10K
R5150 220K
F_HOP
T_GND
MODE
+15V
HI_L
HI_R
A_GND
LO_L
LO_R
A GND
FAN
CN5102
TO B MAIN CIRCUIT (CN2809) ON SCHEMATIC DIAGRAM-3
PGND
FLGND
DGND
PCONT
CD8V
NC
DC_DET
MF_HOP
12V
15V
-3V
SW5V
CN5103
TO B MAIN CIRCUIT (CN2808) ON SCHEMATIC DIAGRAM-3
R5151 150K
Q5111
B1BACG000023
+15V REGULATOR
R5147 2.2
R5123 4.7
D5152 B0BA01900005
C5109 25V100
C5110 25V100
C5157 0.01
R5127 470
R5126 1K
D5107 B0BA01500003
R5152 0
E5102 K4CZ01000027
C5101 35V1000P
C5151 100P
Q5101
D5101 B0BA01100004
C5114 0.1
C5102 100V10
D5122 B0EAKM000122
C5103 100V10
E5101 K4CZ01000027
C5107 0.1
C5171 50V1000P
+VCC1
+VCC2
-VCC1
-VCC2
AC GND
AC GND
ACIN
SUB+B
DGND
TO D TRANSFORMER CIRCUIT (CN5950) ON SCHEMATC DIAGRAM-5
H5104/W5104
R5103 10K
D5121 B0EAKM000122
Q5110
R5114 1.8
C5106 0.1
W5501 0
C5172 50V1000P
E5103 K4CZ01000027
K5101 B0EAKM000122
D5129 B0EAKM000122
Q5112
B1BCCG000002
CURRENT STABLISER
R5137 2.2
R5136 2.2
R5135 2.2
R5134 1.2K
Q5113
B1GDCFNA0001
CURRENT LIMITER SWITCH
Q5110
B1AACF000064
26V REGULATOR
R5101 10K
D5102 B0BA02600018
Q5101,Q5102
B1DEGM0000026
CURRENT CONTROL SWITCH
Q5108
B1ABCF000176
SWITCH
Q5115
B1AAKD000014
5.7 REGULATOR
R5144 12
D5128
D5124
D5123
D5128,D5124,D5123 B0EAKM000122
C5111 6.3V100
C5158 0.01
R5131 2.2K
R5130 150
C5112 25V10
D5108 B0BA5R700008
D5125 B0ACCK000005
C5159 0.01
R5133 10K
W5508 0
R5132 330
C5113 50V33
D5109 B0BA01100004
Q5114
B1ABCF000176
11V REGULATOR
Q5102
C5104 35V1000P
C5153 100P
D5105 B0BA02400029
R5108 47
D5104
B0BA01100004
R5107 560
R5106 22K
Q5108
C5152 0.1
C5115 0.1
R5109 1K
Q5109
2SB0709AHL
VOLTAGE REGULATOR
R5105 10K
R5110 2.2K
D5103 B0BA5R200014

SCHEMATIC DIAGRAM - 6

**E** POWER CIRCUIT —— : +B SIGNAL LINE – – : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

IC5301
C1BA00000407
2-CH DIGITAL AMP

IC5401
C1BA00000407
2-CH DIGITAL AMP

Q5154
B1ADCF000063
PCONT SWITCH

Q5173
B1ABCF000176
SWITCH

Q5153
B1ABCF000176
MODE SWITCH

IC5201
C0JBAB000011
LOGIC

Q5201
B1ABCF000176
FREQUENCY HOPPING SWITCH

Q5202
B1ADCF000063
FREQUENCY HOPPING SWITCH

Q5103,Q5104
B1ABCF000176
FAN ON/OFF SWITCH

Q5111
B1BACG000023
+15V REGULATOR

Q5101

L5301 G0C220Z00002
L5401 G0C220Z00002
L5603 G0B9R5K00001
L5604 G0B9R5K00001
L5601 G0B9R5K00001
L5602 G0B9R5K00001
L5403 J0JKB0000037
L5402 J0JKB0000037
L5101 J0JKB0000037
L5102 J0JKB0000037

D5126 B0ACCK000005

X5202 H2A375300003
X5201 H2A415300001

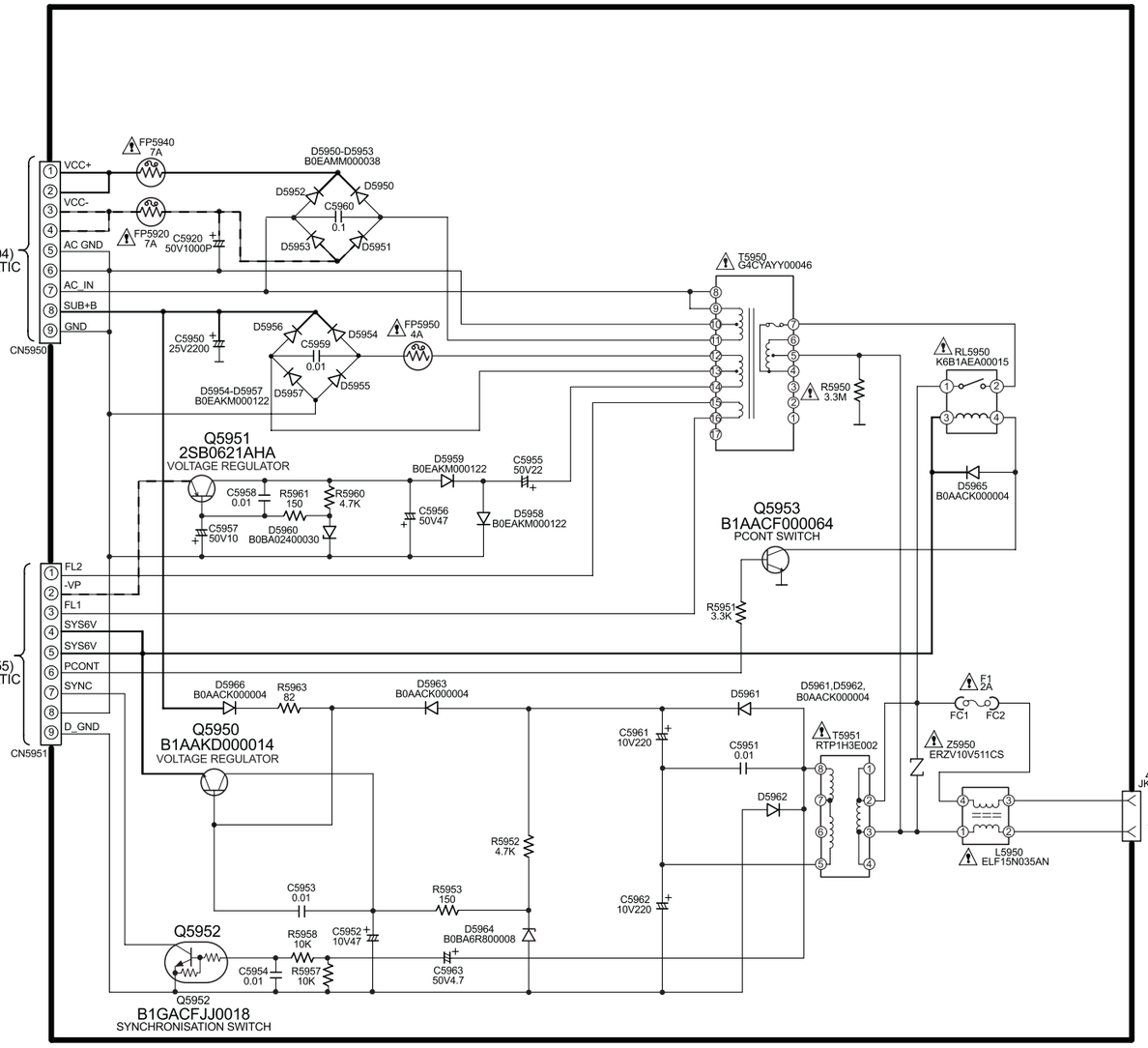
JK5102
JK5101

TO **B** MAIN CIRCUIT (CN2809) ON SCHEMATIC DIAGRAM-3

SCHEMATIC DIAGRAM - 5

# D TRANSFORMER CIRCUIT

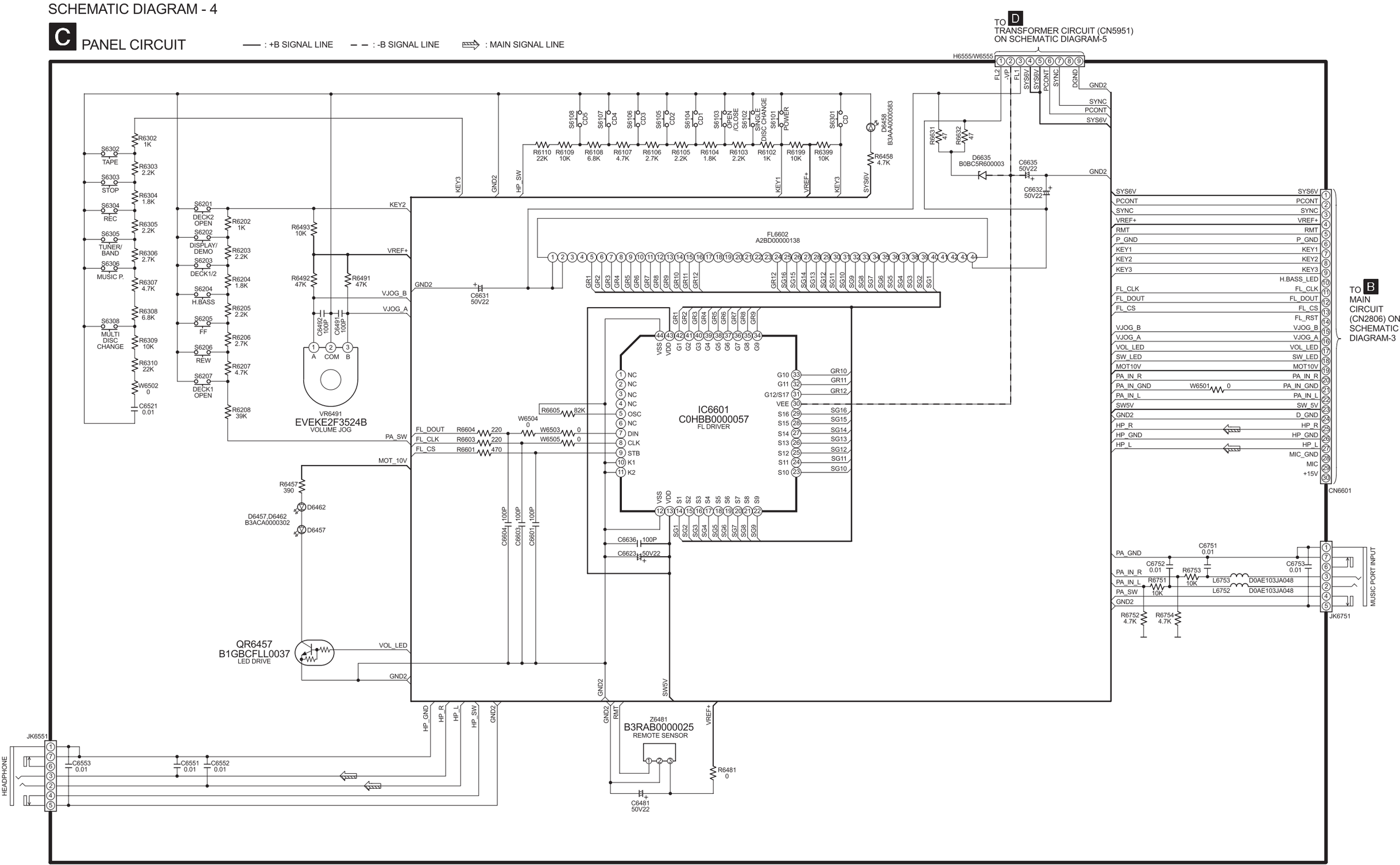
—— : +B SIGNAL LINE  – – : -B SIGNAL LINE



SCHEMATIC DIAGRAM - 4

# C PANEL CIRCUIT

—— : +B SIGNAL LINE  – – : -B SIGNAL LINE  ⇨ : MAIN SIGNAL LINE



W2526 0

SW15V | ASP_CLK | ASP_DA | +15V | MUTE_A | -9V | A_GND | HP_L | HP_R | +15V

GND | VCC | LM_1 | DECK1_H | REC(/59) | MTR(/58) | PLG2 | PLG1 | MODE_1 | HALF_1 | VREF+

W2523 0

W2557 0

R2846 4.7K | R2845 10K | R2844 10K | R2842 10K | R2841 10K

C2872 0.022 | C2871 330P | R2871 22K | R2873 22K | C2874 330P | R2874 4.7K

64 VSS | 63 NC | 62 VCC | 61 NC | 60 DECK1_H | 59 REC | 58 MTR | 57 PLG2 | 56 PLG1 | 55 NC | 54 NC | 53 MODE_1 | 52 HALF_1 | 51 NC

IC2871
1 NC | 8 NC
2 VCC | 7 GND
3 EE_CS | 6
4 EE_CLK | 5 EE.DAT

STAND_BY 50 | W2576 0 | STANDBY
49 NC
48 NC
DCDET 47 | W2536 0 | IDCDET
PCONT/EFP/CS 46 | PCONT
45 NC
44 NC
EE_DAT 43
EE_CLK 42
EE_CS/EFP/EPH 41 | W2537 0 | MUTE_A
MUTE_A 40 | MUTE_D_AMP
MUTE_DA 39
REG1 38
REG2 37
REG3 36
REG4 35
REG5 34
REG6 33
REG7 32
REG8 31

W2547 0
W2548 0
W2549 0

100K R2820 | 100K R2819 | 100K R2818 | 100K R2817 | 100K R2830 | 100K R2831 | 100K R2832 | 100K R2833

R2851 47K

C2852 16V100 | C2853 0.1

R2810 22K

/NMI 17 | RMT 18 | BLKCK 19 | SYNC 20 | ST/DO 21 | SD 22 | NC 23 | SW_LV-1 24 | SW_LV-2 25 | ASP_DA 26 | ASP_CLK 27 | 10DB_ATT 28 | PLL_DAT 29 | PLL_CLK 30

R2802 100 | R2803 10K

C2821 100P

IC2871
C3EBEG000073
E-EPROM IC

C2940 0.1
R2940 820K
FAN

Q2942
B1ACKD000006
FAN MOTOR ON/OFF SWITCH

MOT_12V

R2945 10K | C2945 16V47 | C2944 100P | R2944 4.7K

D2946
B0ADCJ000020

R2942 5.6K | R2941 10K | C2941 16V33

R2943 10K | Q2943

R2949 47K | R2939 47K | IDCDET

R2948 100 | Q2948 | C2948 10V220 | Q2949

C2947 6.3V100

W2571 0 | W2532 0 | W2572 0

R2946 56K | R2947 27 | W2573 0

Q2943
B1ABCF000176
FAN SUPPLY CONTROL SWITCH

Q2948,Q2949
B1ABCF000176
DC DETECT SWITCH

P_GND

Q2803
B1GBCFJJ0051
RESET (MICRO-P) SWITCH

R2883 330K | C2883 18P | R2886 1M | R2881 220

R2882 10M | X2801 H0A327200115 | C2882 18P | X2802 H2B100500004

C2803 1

D2803 B0ACCK000005 | C2802 50V2.2 | D2801 B0ACCK000005

W2552 0

VREF+ | SYS6V

R2894 47K | W2535 0 | VREF+

D2811
B0ADCJ000020
CD7.5V
SW5V

D2813
B0ACCK000005
+15V

W2518 0 | IDCDET

F_HOP | T_GND | MUTE-D-AMP | +15V | FAN

1 | 2 | TO FAN | CN2810

SW5V 12 | -9V 11 | +15V 10 | MOT_12V W2575 0 9 | STANDBY 8 | IDCDET 7 | MODE_A 6 | CD8V 5 | PCONT 4 | P_GND 3 | C2753 0.1 2 | P_GND 1 | CN2808

TO E POWER CIRCUIT (CN5103) ON SCHEMATIC DIAGRAM-6

RMT | BLKCK | SYNC | ST/DO | SD | ASP_DA | ASP_CLK | PLL_DA | PLL_CLK

MOT_12V | R2937 10K | CHG_PLR(/88) | +15V

R2936 1K | W2556 0

HP_L | HP_GND | HP_R | DGND | SW5V W2539 0 | PA_IN_L | PA_IN_GND | PA_IN_R | MOT10V | SW_LED | VOL_LED | J_VOL_A | J_VOL_B | FL_RST | FL_CS | FL_DOUT | FL_CLK | H_BASS_LED | KEY3 | KEY2 | KEY1 | P-GND | RMT | VREF+ | SYNC | PCONT | SYS6V | +15V

30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

CN2806

TO C PANEL CIRCUIT (CN6601) ON SCHEMATIC DIAGRAM-4

TO B MAIN CIRCUIT (1B) ON SCHEMATIC DIAGRAM-2
TUNER RCH
PLLCE
TUNER LCH
PLL_DA
TUNER DQ/ST
PLL CLK
TUNER SD
2B
TO B MAIN CIRCUIT (1A) ON SCHEMATIC DIAGRAM-2
+15V
TUNER DQ/ST
TUNER GND
VCC +7.5V
DET OUT
2A
TO A CD SERVO CIRCUIT (CN7002) ON SCHEMATIC DIAGRAM-1
L
A_GND
R
CD_3.3V
CD_GND
LD_S
NC
+7.5V
PGND
MCLK
MDATA
MLD
BLKCK
STAT
/RST
/REST_S
CN2801
TO G DECK MECHANISM CIRCUIT (CN971) ON SCHEMATIC DIAGRAM-7
PL2
PL1
DVREF
PL_GND
DECK-2
PHOTO_PB
PHOTO_RP
HALF_PB
VREF_GND
MODE_PB
CN2951
R2121 3.3K
R2221 3.3K
R2674 47K
R2673 47K
R2672 10K
R2671 10K
R2675 4.7K
R2676 10K
R2677 1.1K
C2678 0.01
D2677
D2677 B0BC7R500001
C2674 0.01
C2673 100P
C2671 100P
T_GND
C2131 0
R2131 3.3K
R2132 3.3K
R2232 3.3K
R2231 3.3K
C2231 0
C2901 0.1
W2563 0
W2561 0
W2569 0
W2570 0
R2912 4.7K
R2914 4.7K
R2916 4.7K
R2918 10K
R2923 0
R2927 4.7K
R2928 10K
C2906 1000P
R2929 10K
R2930 10K
R2931 10K
Q2901
Q2901 B1ACKD000006 CONTROL SWITCH
R2902 33
C2903 0.01
R2901 10K
CD8V
Q2902
B1AACF000006 VOLTAGE STABLISER CD3.3V
D2901 B0ADCC000002
R2907 1K
R2908 330
W2542 0
R2909 2.2K
C2904 16V100
R2910 330
SW5V
A_GND
CD7.5V
PGND
MCLK
MDATA
MLD
SW5V
BLKCK
R2920 4.7K
R2921 4.7K
Q2906
B1ABCF000176 INTERFACE SWITCH
W2565 0
Q2907
R2924 10K
R2925 4.7K
R2919 4.7K
R2922 10K
STATUS
W2567 0
W2568 0
UP_GND
CD_RST
RESTSW
Q2907
B1ABCF000176 CD STATUS INTERFACE
MOT_12V
Q2958,Q2960
B1ACKD000006 PLUNGER ON/OFF SWITCH
Q2957,Q2959
B1GBCFLL0037 PLUNGER ON/OFF SWITCH
Q2958
R2958 22K
R2957 1K
Q2957
C2957 100P
C2959 100P
Q2960
R2960 22K
R2959 1K
Q2959
PLG2
PLG1
DVREF+
P_GND
SW5V
DECK2
PHOTO_1
PHOTO_2
R2954 10K
R2953 10K
W2554 0
W2517 0
W2525 0
W2534 0
R2955 270K
R2956 270K
R2151 0
R2251 0
HALF_1
MODE_1
UP_GND
PA_IN_L
PA_IN_R
Q2936
B1ACKD000006 CD SUPPLY CONTROL SWITCH
Q2937
B1GBCFJJ0051 CHANGER PLUNGER ON/OFF SWITCH
R2863 47K
R2855 47K
R2856 47K
R2857 47K
R2854 47K
R2866 47K
R2865 47K
R2864 100
SPEED
CLOSE_SW
OPEN_SW
CHG_CW
CHG_CCW
ST_SW
PLAY_SW
CHG_PLR[88]
BOTTOM_SW
UP_SENSOR
DECK2
KEY3
KEY2
KEY1
PHOTO_2
PHOTO_1
VREF+
VCC
R2852 100
R2853 100
R2858 100
R2859 100
R2860 100
R2862 100
R2861 100
HOME_SW
/RESTSW
MCLK
MDATA
MLD
STATUS
CD_RST
H.BASS_LED
FL_CLK
FL_DOUT
FL_CS
FL_RESET
V_JOG_B
V_JOG_A
VOL_LED
SW_LED
GND
VCC
R2848 100
R2847 100
R2849 1K
R2843 1K
W2557 0
R2846 4.7K
R2845 10K
R2844 10K
DECK1_H
REC(59)
MTR(58)
PLG2
PLG1
MODE_1
HALF_1
W2523 0
R2842 10K
R2841 10K
IC2801
C2C BYY000053
MICROPROCESSOR
W2526 0
LM_1
SW15V
ASP_CLK
ASP_DA
+15V
MUTE_A
-9V
A_GND
HP_L
HP_R
VREF+
IC2871
C3EBEG000073
E-EPROM IC
NC
VCC
EE_CS
EE_CLK
NC
GND
EE.DAT
R2873 22K
C2872 0.022
C2871 330P
R2871 22K
C2874 330P
R2874 4.7K
STANDBY
IDCDET
PCONT
MUTE_A
MUTE_D_AMP
W2576 0
W2536 0
W2537 0
STAND_BY
DCDET
PCONT/EFP/CS
EE_DAT
EE_CLK
EE_CS/EFP/EPH
MUTE_A
MUTE_DA
REG1
REG2
REG3
REG4
REG5
REG6
REG7
REG8
W2547 0
W2548 0
W2549 0
R2820 100K
R2819 100K
R2818 100K
R2817 100K
R2830 100K
R2831 100K
R2832 100K
R2833 100K
FAN
MOT_12V
R2945 10K
C2945 16V47
C2944 100P
R2944 4.7K
D2946
B0ADCJ000020
R2942 5.6K
R2943 10K
R2949 47K
R2948 100
C2947 6.3V100
R2946 56K
R2947 27
W2571 0
W2572 0
W2573 0
W2532 0
R2851 47K
C2853 0.1
C2852 16V100
R2810 22K
Q2803
B1GBCFJJ0051 RESET (MICRO-P) SWITCH
R2883 330K
C2883 18P
R2886 1M
R2881 220
R2882 10M
X2801
H0A327200115
C2882 18P
X2802
H2B100500004
C2803 1
D2803
B0ACCK000005
C2802 50V2.2
W2552 0
W2544 0
C2821 100P
W2540 0
W2558 0
R2868 100K
R2801 10K
W2543 0
W2545 0
R2802 100
R2803 10K
SYS6V
D2950
B0ACCK000005
R2950 470K
R2951 470K
R2966 4.7K
R2965 4.7K
R2952 1K
Q2950
Q2951
Q2952
W2550 0
PCONT
PLG2
PLG1
Q2950
B1ACKD000006 DECK SUPPLY CONTROL SWITCH
Q2951
B1ACKD000006 SUPPLY CONTROL SWITCH
Q2952
B1GBCFLL0037 DECK SUPPLY (PCONT) CONTROL SWITCH
UP_GND
DVREF+
LM_1
PLLCE_UP
MODE_A
F_HOP
CNVSS
!RESET
VCC
RMT
BLKCK
SYNC
STDO
SD
ASP_DA
ASP_CLK
PLL_DA
PLL_CLK
VREF+
CN2805
CHG_CCW
CHG_CW
P_GND
CD8V
HOME_SW
ST-SW
OPEN_SW
CLOSE_SW
SW5V
D_GND
PLAY_SW
UD_SENSOR
BOTTOM_SW
SPEED
W2559 0
W2555 0
W2560 0
Q2936
R2937 10K
D2936 B0EAKM000117
R2936 1K
W2556 0
Q2937
MOT_12V
CHG_PLR(88)
+15V
CN2806
HP_L
HP_GND
HP_R
DGND
SW5V
W2539 0
PA_IN_L
PA_IN_GND
PA_IN_R
MOT10V
SW_LED
VOL_LED
J_VOL_A
J_VOL_B
FL_RST
FL_CS
FL_DOUT
FL_CLK
H_BASS_LED
KEY3
KEY2
KEY1
P-GND
RMT
VREF+
SYNC
PCONT
SYS6V
TO C PANEL CIRCUIT (CN6601) ON SCHEMATIC DIAGRAM-4

W2511 0
R2701 1K
C2701 0.01
C2702 16V100
R2705 3.3K
C2705 50V1
R2702 1K
R2703 220K
R2315 56K
C2315 16V22
C2313 47P
C2314 10P
R2704 220K
IC2804
C0AABB000125
IC OP AMP
C2706 50V1
R2706 3.3K
R2145 56K
C2415 16V22
C2413 47P
C2414 10P

Q2142
B1ABCF000176
AGC CONTROL SWITCH

Q2311,Q2411
B1ABCF000176
MUTING SWITCH

Q2242
B1ABCF000176
AGC CONTROL SWITCH

Q2511
B1GDCFJJ0047
MUTING CONTROL

Q2317,Q2417
B1ABCF000176
MUTING SWITCH

Q2341,Q2441
B1ABCF000176
HEADPHONE MUTING

R2145 10K
R2146 1K
R2311 4.7K
R2312 27K
R2355 270K
R2455 270K
R2412 27K
R2313 100K
R2314 0
C2311 1
C2312 1
C2342 1
C2442 1
Q2311
Q2411
W2514 0
R2401 15K
C2411 1
R2411 4.7K
R2413 100K
R2414 0
C2412 1
R2245 10K
R2246 1K
D2241 B0ACCK000005
R2247 100K
C2245 16V10
R2248 6.8K
D2583 B0BC9R000008
C2583 16V100
C2588 0.1
R2273 4.7K
R2271 6.8K
R2509 560
R2510 220
C2585 220P
R2585 330K
C2584 220P
R2508 1K
R2584 330K
R2586 1.2K
R2587 1.2K
W2546 0
W2526 0
W2513 0
W2531 0
R2342 0
R2341 27
R2352 27
R2351 0
R2344 0
R2343 27
R2354 27
R2353 0
R2347 1
R2346 3.3K
R2345 10K
C2344 0.47
R2357 100K
C2341 1000P
W2530 0
R2511 2.2K
R2512 100K
C2511 50V2.2
C2444 0.47
R2457 100K
C2441 1000P
R2445 10K
R2446 3.3K
Q2341
Q2441
R2442 0
R2441 27
R2452 27
R2451 0
R2444 0
R2443 27
R2454 27
R2453 0
R2447 1

R2316 2.2K
R2317 18K
R2356 180K
R2456 180K
R2417 18K
R2318 100K
R2418 100K
C2343 0.47
C2443 0.47
Q2317
Q2417
W2508 0
R2416 2.2K
R2435 1K
C2431 4700P
R2335 1K
C2331 4700P
R2329 3.3K
C2321 1
R2321 0
R2331 0
W2510 0
C2323 0.015
R2323 39K
R2333 15K
C2711 16V100
C2712 50V0.01
R2433 15K
R2431 0
R2423 39K
C2423 0.015
R2429 3.3K
C2421 1
R2421 0
W2512 0
C2333 1
R2334 0
C2325 16V10
R2326 0
R2328 15K
R2430 0
R2428 15K
C2425 16V10
R2426 0
C2433 1
R2434 0
C2943 50V2.2

F_HOP 1
T-GND 2
MUTE-D-AMP 3
+15V 4
HIGH_L-IN 5
HIGH_R-IN 6
ASP_GND 7
LOW_L-IN 8
LOW_R-IN 9
A_GND 10
11
FAN 12
CN2809

TO E POWER CIRCUIT (CN5102) ON SCHEMATIC DIAGRAM-6

LM_1
SW15V
ASP_CLK
ASP_DA
+15V
MUTE_A
-9V
A_GND
HP_L
HP_R
+15V
F_HOP

SCHEMATIC DIAGRAM - 3

B MAIN CIRCUIT

—— : +B SIGNAL
– – : -B SIGNAL
: FM/AM SIGNAL LINE
: MAIN SIGNAL LINE
: TAPE RECORD SIGNAL LINE
: TAPE PLAYBACK SIGNAL LINE
: CD SIGNAL LINE

IC2803
C1BB00001121
AUDIO SOUND PROCESSOR

Q2142
B1ABCF000176
AGC CONTROL SWITCH

Q2311,Q2411
B1ABCF000176
MUTING SWITCH

Q2311

Q2411

IC2804
C0AABB0001
IC OP AMP

Q2242
B1ABCF000176
AGC CONTROL SWITCH

Q2978
B1GDCFJJ0047
REC:ON/OFF CONTROL SWITCH

Q2980

Q2980
B1GDCFJJ0047
SUPPLY CONTROL SWITCH
(DECK MOTOR)

Q2501
B1ABCF000176
LEVEL METER
CONTROL SWITCH

Q2511
B1GDCFJJ0047
MUTING CONTROL

Q2341

Q2441

Q2341,Q2441
B1ABCF000176
HEADPHONE MUTING

TO DECK CIRCUIT (CN1001) ON SCHEMATIC DIAGRAM-7

CN2803

# SCHEMATIC DIAGRAM - 2

## B MAIN(TUNER) CIRCUIT

: +B SIGNAL LINE
: FM/AM SIGNAL LINE
: FM SIGNAL LINE
: FM OSC SIGNAL LINE
: AM SIGNAL LINE
: AM OSC SIGNAL LINE

## H TUNER PACK CIRCUIT

FM EXT ANT
75 OHM
GND
AM LOOP ANT
AM EXT ANT
JK2601

Q1
Q2
Q3
Q4
CF2601 J0B1075AA014
CF2602 J0B1075AA014
Q2601 B1AABC000003 FM IF AMP
Q2606 B1GCCFJJ0016 TUNER 15V SUPPLY SWITCH
D2602 B0CDBB000015
L2601 G2A411C00001
L2602 G2BPC0000016
IC2601 C1BB00000962 FM/AM IF AMP DET/AM OSC MIX/ FM MPX
IC2602 C1CB00001937 PLL FREQUENCY SYNTHESIZER
X2602 H3F-1065A0002
X2603 H0H720400007
Z2602 G2BAD0000003
D2601 B0BC5R000009

Q1 B1CECC000003
Q2 B1AAAC000016
Q3,Q4 B1AAAC000015

TO B MAIN CIRCUIT (2A) ON SCHEMATIC DIAGRAM-3
TO B MAIN CIRCUIT (2B) ON SCHEMATIC DIAGRAM-3

# SCHEMATIC DIAGRAM - 1

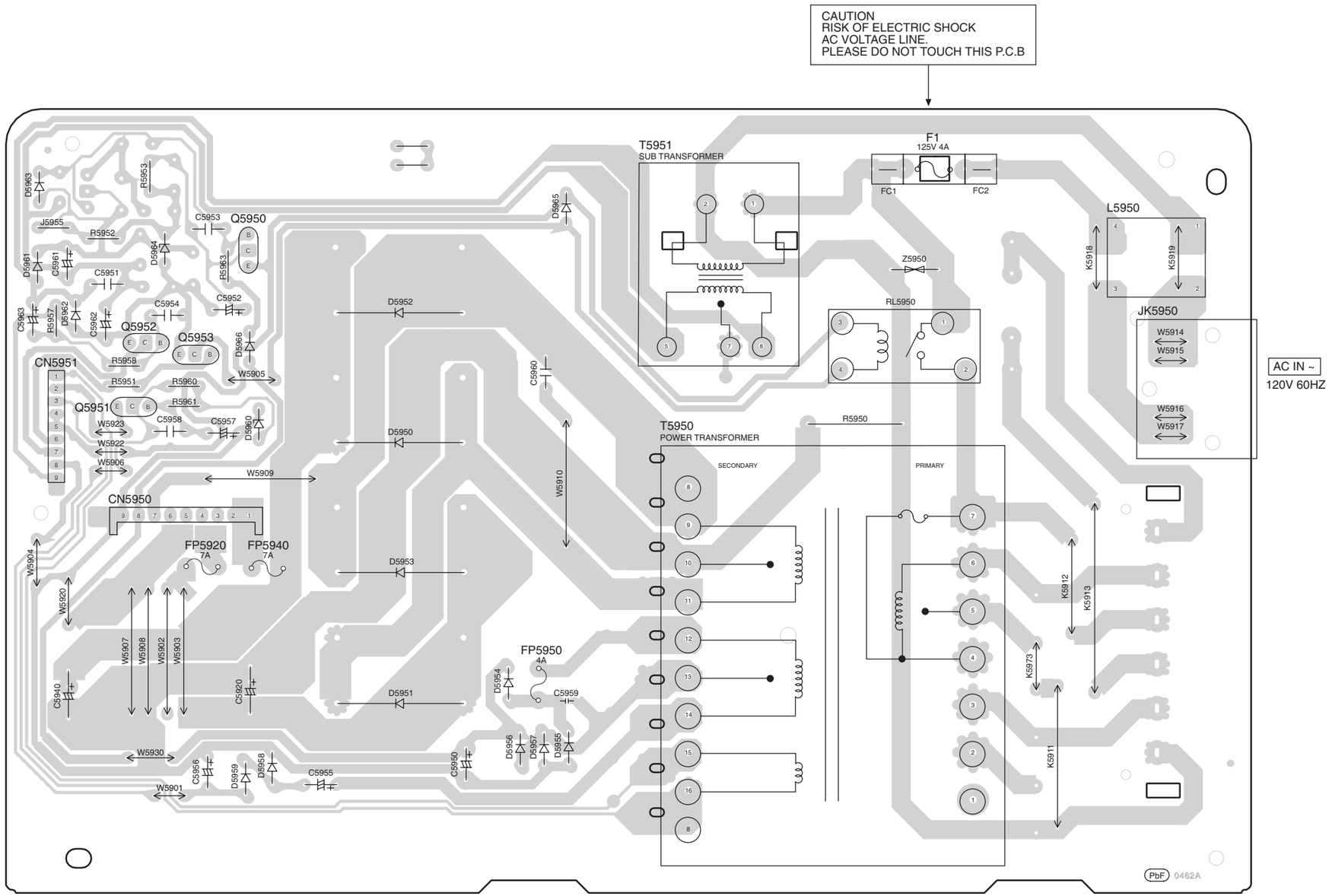
## OPTICAL PICKUP CIRCUIT

## A CD SERVO CIRCUIT

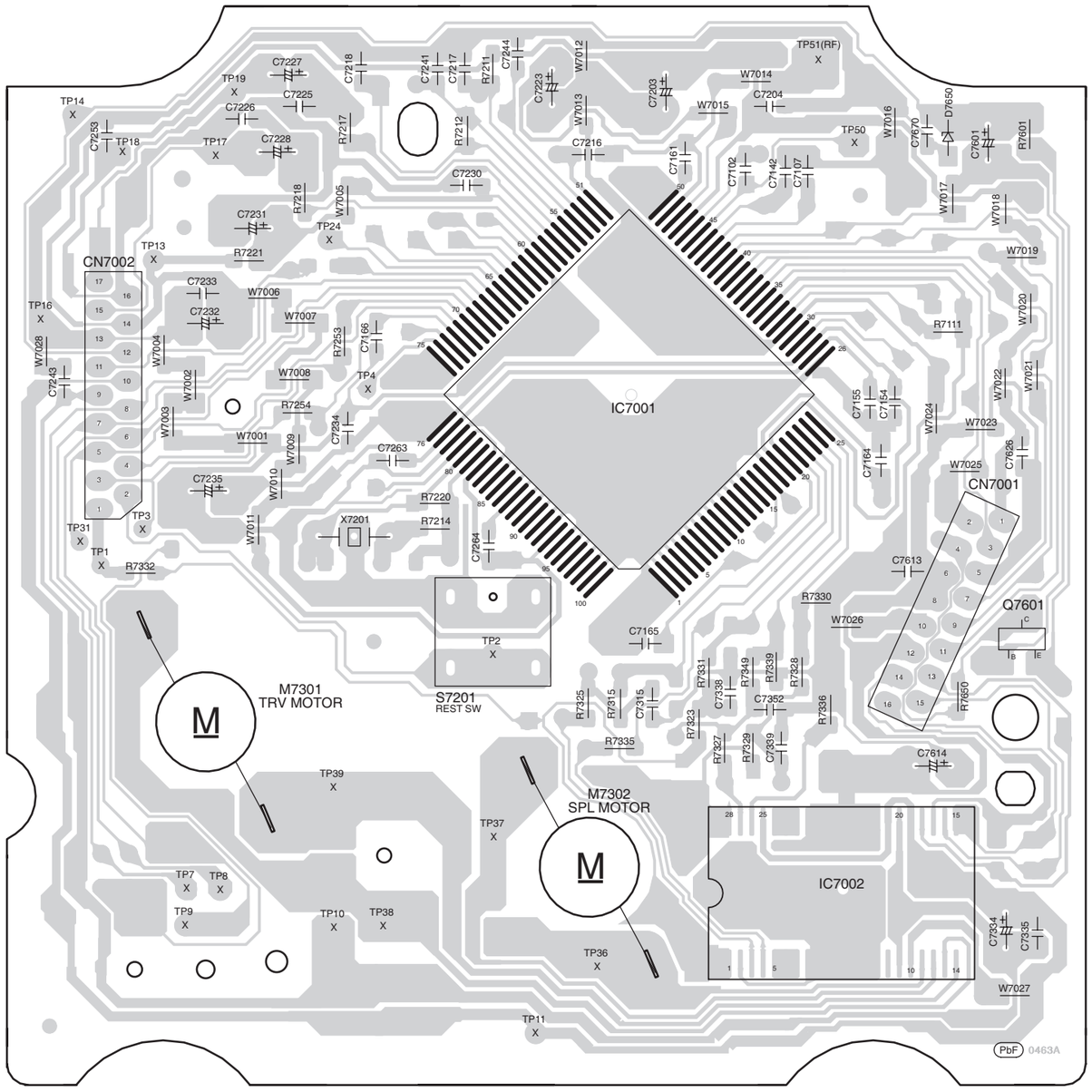
—— : +B SIGNAL LINE  ▶▶▶ : CD-DA SIGNAL LINE  ▷▷▷ : CD SIGNAL LINE

LASER DIODE
CP701
GND NBOUT VCC GND BIN NAOUT AIN VREF
CN7001
VCC F E LD LD GND GND A GND B VREF LPD GND T- T+ F- F+
Q7601
B1ADCF000001
LASER POWER DRIVE
IC7001
MN6627954MA
SERVO PROCESSOR/
DIGITAL SIGNAL PROCESSOR/
DIGITAL FILTER D/A CONVERTER
IC7002
BA5948FPE2
4 CH DRIVE
M7301
TRV
MOTOR
M7302
SRL MOTOR
X7201
H2B1695000005
S7201
REST SW
LCH OUT
A.GND
RCH OUT
+3.3V
D.GND
LD SW
+7.5V
PGND
MCLK
MDATA
MLD
BLKCK
STAT
/RST
REST SW
LOADING
CN7002
TO B MAIN CIRCUIT (CN2801) ON SCHEMATIC DIAGRAM-3

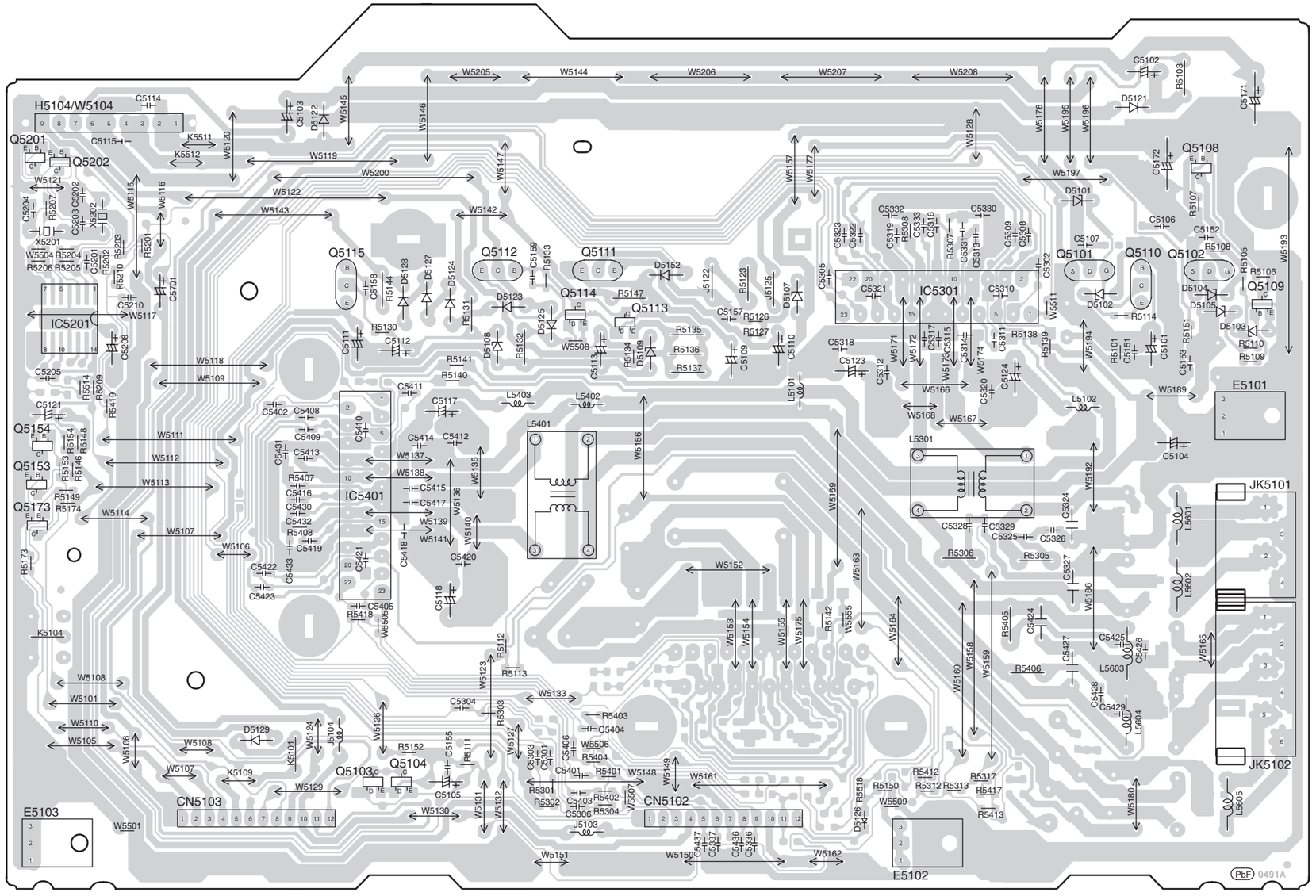
# D TRANSFORMER P.C.B (REPX0518A)



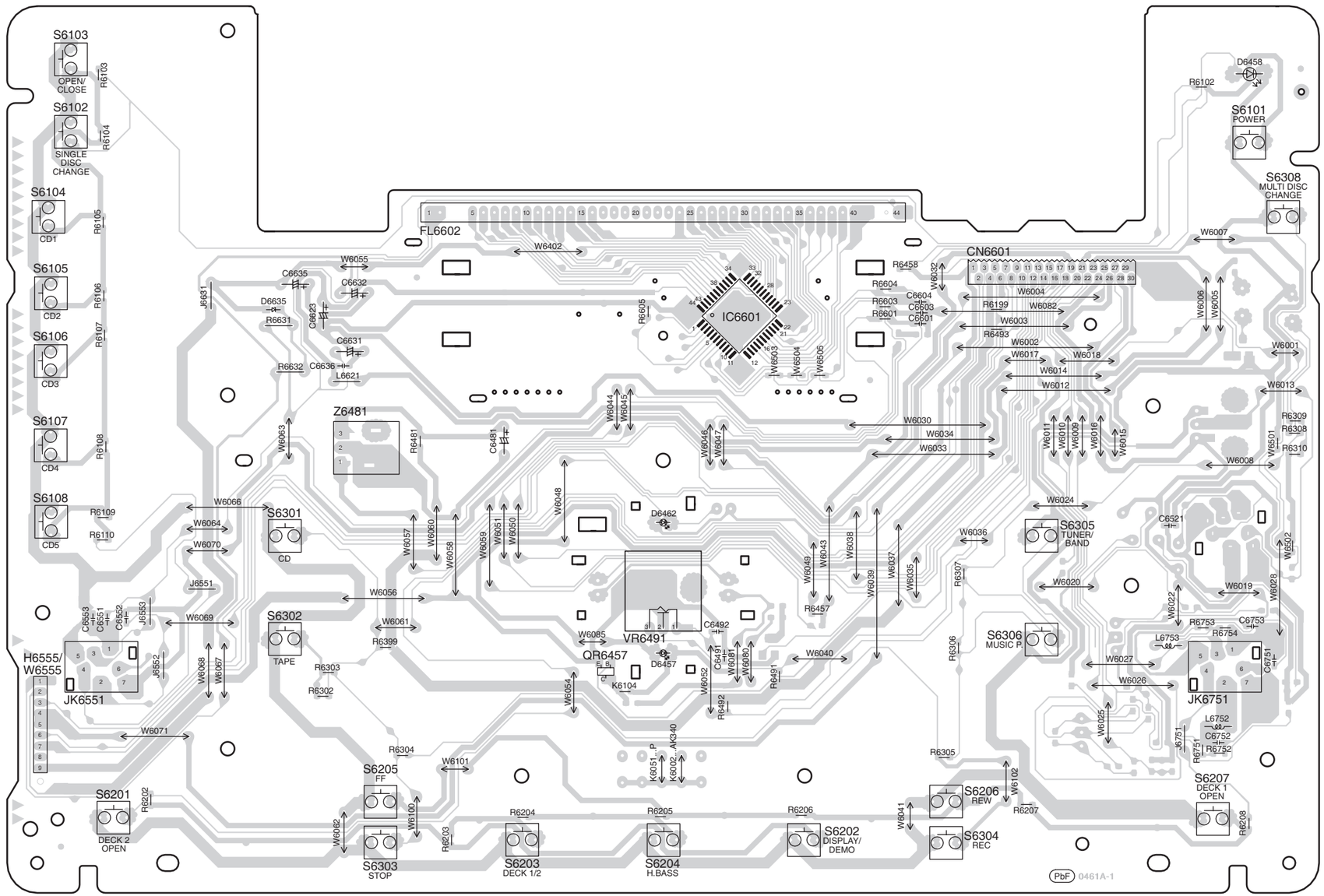
## A CD SERVO P.C.B (REPX0494A)



# E POWER P.C.B (REPX0533A)



## C PANEL P.C.B (REPX0517A)



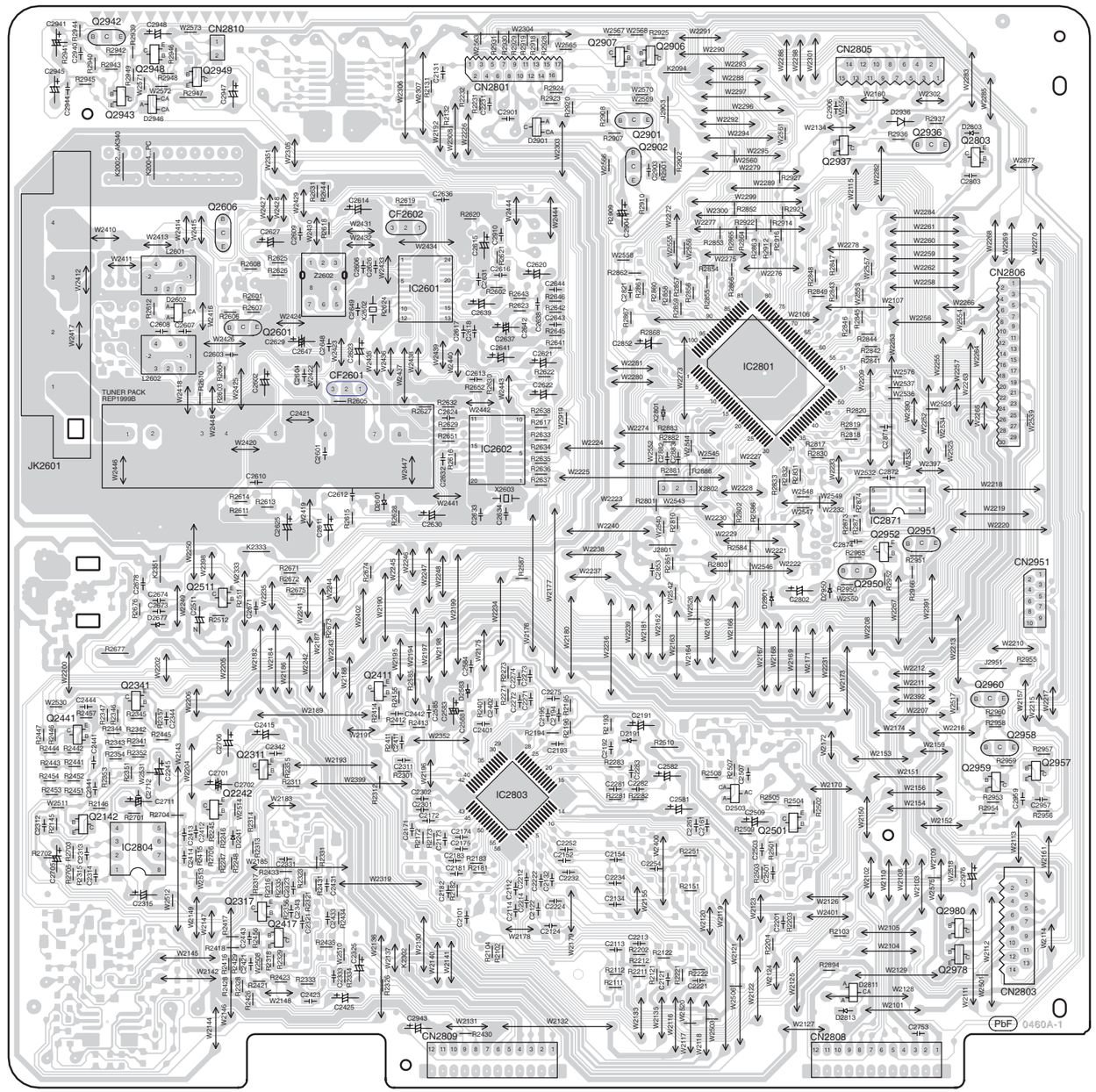

PHONES

SENSOR

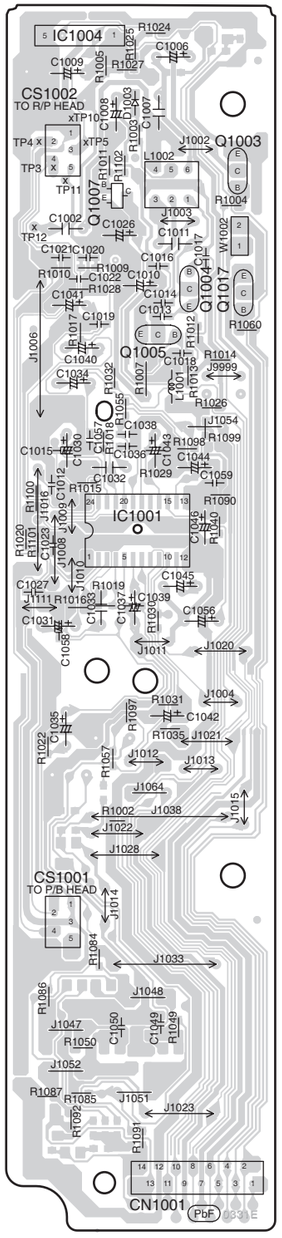
VOLUME

MUSIC PORT

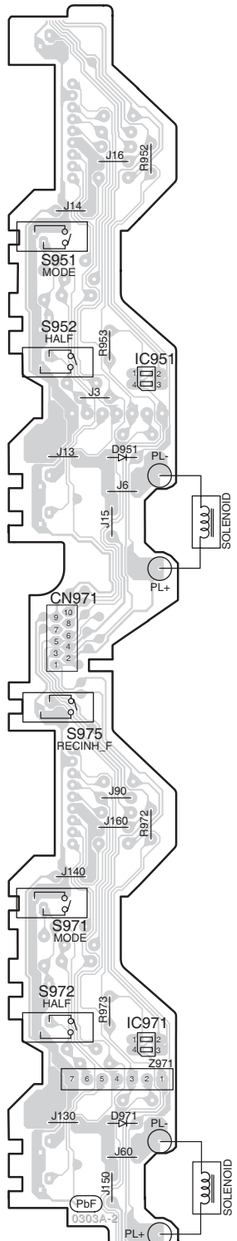
# B MAIN P.C.B (REPX0516A)



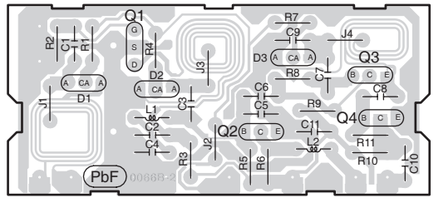
## F DECK P.C.B (REPX0331E)



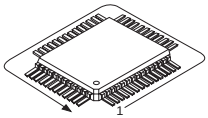

## G DECK MECHANISM P.C.B. (REPX0321A)



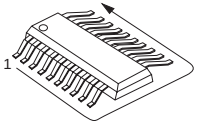

## H TUNER PACK P.C.B (REP1999B)



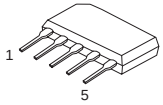
C1BB00001121 (100P)
C2CBYY000053 (100P)
C0HBB0000057 (44P)
MN6627954MA (100P)




AN7348S-E1 (24P)
C0JBAB000011 (14P)
C1BB00000962 (24P)
C1CB00001937 (20P)




C1AA00000612

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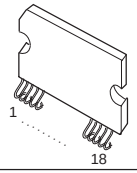


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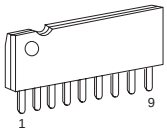


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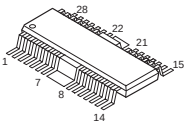


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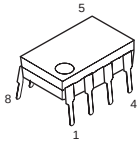


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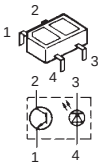


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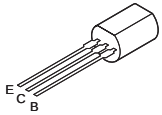


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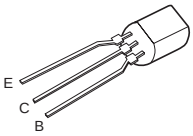


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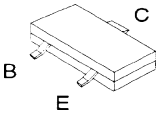


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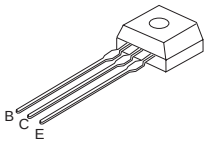


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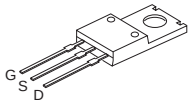


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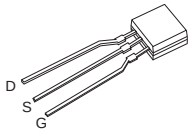


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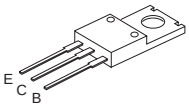


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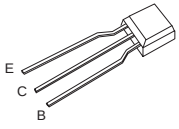


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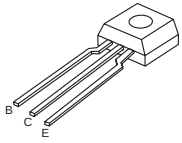


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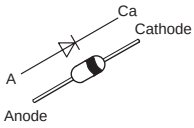


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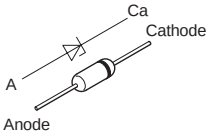


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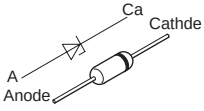


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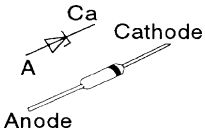


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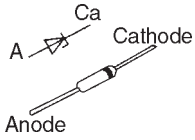


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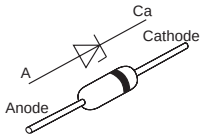


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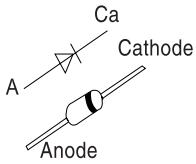


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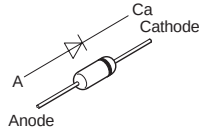


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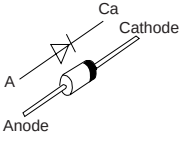


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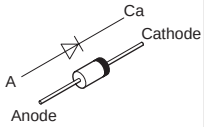


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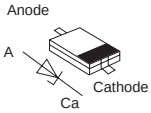


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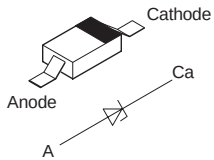


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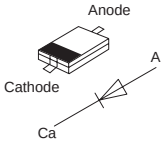
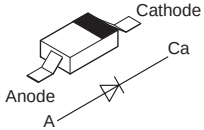



MAZ80560ML

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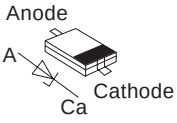


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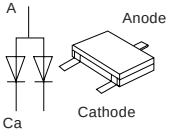


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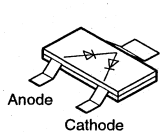


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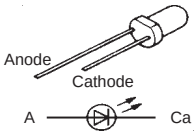


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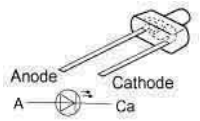


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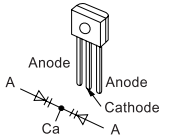


## NOTE on CDs

- This unit can access up to 99 tracks.
- Choose disc with this mark.

COMPACT disc DIGITAL AUDIO

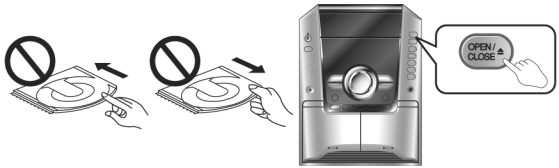
- This unit can play MP3 or WMA files and CD-DA format audio CD-R/RW that have been finalized.
- It may not be able to play some CD-R/RW due to the condition of the recording.
- Do not use irregularly shaped disc.
- Do not use disc with labels and stickers that are coming off or with adhesive exuding from under labels and stickers.
- Do not attach extra labels or stickers on the disc.
- Do not write anything on the disc.

## Using DualDiscs

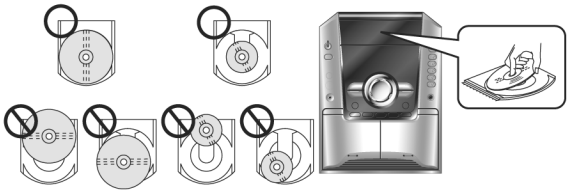
The "CD" sides of DualDiscs do not meet the CD-DA standard so it may not be possible to play them on this unit.

Not doing the following will cause damage to the unit.

- Press [⏻/I, POWER] to turn off the unit and remove the power plug only after all the displays have disappeared.




- Always press [⏏, OPEN/CLOSE] to insert or remove a disc.
- Do not push or pull out the tray by hand as this will cause an accident.



- Place the disc correctly label-up as shown in the diagram.
- Insert one disc into the tray.

## NOTE on MP3 or WMA

- Files are treated as tracks and folders are treated as albums.
- This unit can access up to 999 tracks, 255 albums and 20 sessions.
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).
- To play in a certain order, prefix the folder and file names with 3-digits numbers in the order you want to play them.

MP3

When "NOT MP3/ERROR1" appears on the display, an unsupported MP3 format is being played. The unit will skip that track and play the next one.

WMA

- Noise may occur when playing WMA files.
- This unit cannot play WMA files that are copy protected.

## Limitations on MP3 or WMA play

- If you have recorded MP3 or WMA on the same disc as CD-DA, only the format recorded in the first session can be played.
- Some MP3 or WMA may not be played due to the condition of the disc or recording.
- Due to differences and variations of WMA tags, some files may not play or display the tags' information properly.
- Recordings will not necessarily be played in the order you recorded them.

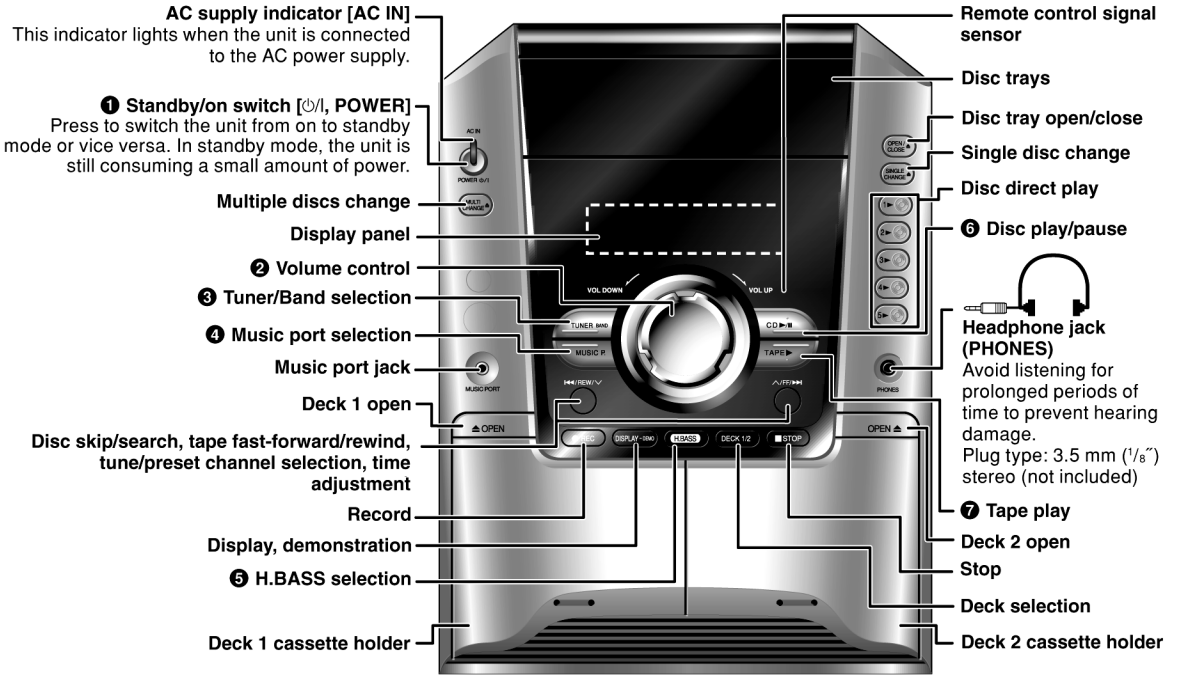
MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.

Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

WMA is a compression format developed by Microsoft Corporation. It achieves the same sound quality as MP3 with a file size that is smaller than that of MP3.

Designed for Windows Media™

## Main unit

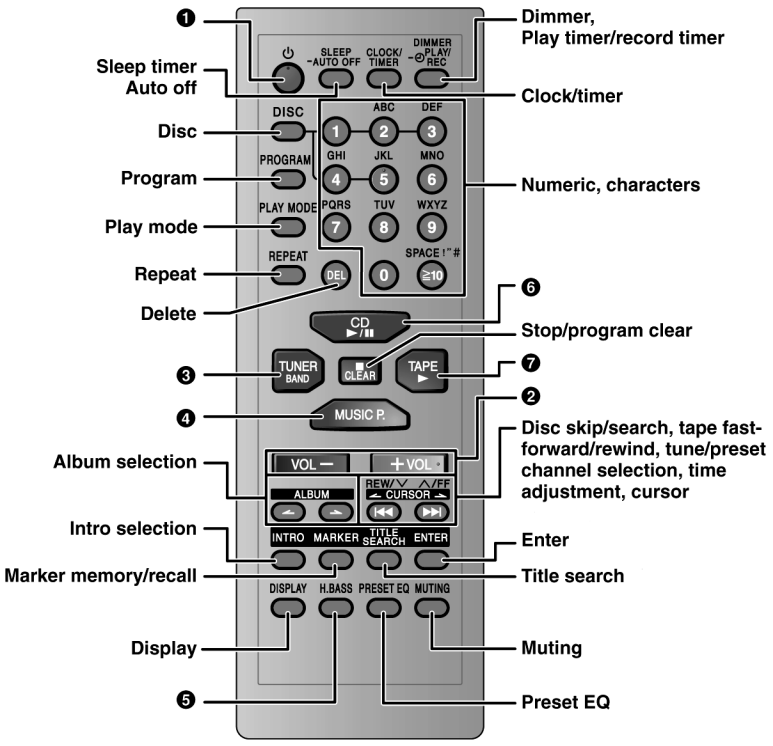



To select the desired display during play mode.
Each time you press the button: Normal → Reflection → (off)

DISPLAY - DEMO

## Remote control

Buttons such as ❶ function the same as the controls on the main unit.




SLEEP -AUTO OFF

This auto off function allows you to turn off the unit in **disc or tape** mode only after left unused for 10 minutes.

- Press and hold [–AUTO OFF] to activate the function.
- Press and hold [–AUTO OFF] again to cancel.
- The setting is maintained even if the unit is turned off.

DIMMER -PLAY/ REC

To dim the display panel.

MUTING

To mute the sound.

- Press the button to activate.
- Press again to cancel.

IC2804
C0AABB000125
IC OP-AMP

Q2142(Q2242)
AGC CONTROL SWITCH

Q2411(Q2311)
MUTING CONTROL

FILTER

Q2317 (Q2417)
MUTING CONTROL

IC5301
C1BA00000407
2-CH DIGITAL AMP

IC5401
C1BA00000407
2-CH DIGITAL AMP

IN1+ / IN1- / IN2+ / IN2- / MODE / OSC / BOOT1(OUT1) / BOOT2(OUT2) / VDDP1(2) / VSSP1(2)

L5301 / L5401

HP_L(R)

Q2341 (Q2441)
HEADPHONE MUTING

PCONT/EFP_/CE

Q5154
PCONT SWITCH

MUTE_D_AMP

Q5153
MODE SWITCH

STANDBY

Q5173
SWITCH

PA_SW

DC_DET

Q5103,Q5104
FAN SWITCH

FAN

HP_SW

SYNC

Q5952
SYNCHRONISING SWITCH

F_HOP

IC5201
C0JBAB000011
LOGIC IC

Q5201
HOPPING SWITCH

Q5202
HOPPING SWITCH

X5202

X5201

Q2942,Q2943
FAN MOTOR DRIVE

FILTER

D2811

Q2948,Q2949
DC DETECT SWITCH

D2813

S6101~S6108,
S6201~S6207,
S6302~S6307

92 ~ 94

DCDET / KEY3 / KEY1

47

MICROPROCESSOR

SYNC / MUTE_DA / F_HOP / PCONT/EFP_/CE / STANDBY

20 / 39 / 7 / 46 / 6

Q2950~Q2952
DECK CONTROL SWITCH/
SUPPLY CONTROL SWITCH/
PCONT CONTROL SWITCH

Q5950
SYSTEM 6V VOLTAGE REGULATOR

D5961~D5964

Q5111
15V VOLTAGE REGULATOR

Q5101,Q5110
CURRENT CONTROL SWITCH/
26V VOLTAGE REGULATOR

FP5940

D5950~D5953

T5950

T5951
SUB TRANSFORMER

Q5102,Q5108,Q5109
CURRENT CONTROL SWITCH/
SWITCH/
VOLTAGE REGULATOR

FP5920

Q5115
5.7V VOLTAGE REGULATOR

D5961~D5964

Q5112~Q5114
CURRENT STABLISER/
LIMITER SWITCH/
11V VOLTAGE REGULATOR

D5954~D5957

FP5950

POWER TRANSFORMER

RL5950

F1

Z5950

L5950
LINE FILTER

JK5950
AC INLET

Q5951
VOLTAGE REGULATOR (-VP)

D5959

TO FL DISPLAY

Q5953
PCONT CONTROL

D5126

LCH / LEFT CH (6 W)

LCH / RIGHT CH (6 W)

JK5101
(JK5102)

RCH

JK6551
HEADPHONE

SIGNAL LINES

: MAIN SIGNAL LINE
: CD SIGNAL LINE
: AM SIGNAL LINE
: PLAYBACK SIGNAL LINE
: FM OSC SIGNAL LINE
: AM OSC SIGNAL LINE
: FM/AM SIGNAL LINE
: RECORD SIGNAL LINE
: FM SIGNAL LINE
: AUX SIGNAL LINE
: CD-DA (AUDIO/VIDEO) SIGNAL LINE

( ) Indicates the Pin No. of Right Channel.

NOTE : Signal Lines are applicable to the Left Channel only.

IC1001
AN7348S-E1
P.B EQ/REC AMP/
ALC/TPS AMP

(DECK 1)
P.B. HEAD
LCH

(DECK 2)
R/P HEAD
LCH

FROM POWER
TRANSFORMER

24(23)
1(2)
22(3)
21(4)
17(8)
20(5)
18(7)
6
19
15
12
LOGIC L/H
ALC
NOR/CrO &
HI/LO LOGIC
LOGIC
REC/PB
RIPPLE
REJECTION
10
16
14
13
9
11

IC2803
C1BB00001121
AUDIO SOUND PROCESSOR

3(4) IN-L2(R2)
1(2) IN-L1(R1)
53(17) REC-L(R)
54(16) GV-OUT-L(R)
9(10) IN-L5(R5)
5(6) IN-L3(R3)
7(8) IN_L4(R4)
DATA 40
CLK 39
L-OUT(R-OUT) 42(37)

JK2801
AUX
CD SIGNAL
RCH
JK6751
MUSIC PORT INPUT

Q2142(Q2242)
AGC
CONTROL
SWITCH

Q2411(Q2311)
MUTING
CONTROL

IC2804
C0AABB000125
IC OP-AMP
2(6)
3(5)
1(7)

FILTER

Q2978
CONTROL
SWITCH

(DECK 2)
ERASE HEAD
L1002
+B
BIAS OSC
CONTROL
Q1004, Q1005,
Q1007
Q1003
SWITCHING
(BEAT PROOF/
RECH)

IC1004
C1AA00000612
R/P SELECT
4
2
3
5

Q2501
METER
CONTROL
SWITCH

Q2511
MUTING
CONTROL
−B

Q1017
MOTOR
SWITCH
M
M1002

Q2980
DECK
MOTOR
SWITCH
+B

+B
Q2942,Q2943
FAN
MOTOR
DRIVE
M
FILTER

D2811
+B
Q2948,Q2949
DC DETECT
SWITCH

+B
D2813

S6101~S6108,
S6201~S6207,
S6302~S6307
92 ~ 94

IC951
CNB13030R2AU
PHOTO
INTERRUPTER

IC971
CNB13030R2AU
PHOTO
INTERRUPTER

HALF
MODE
RECINH_F
S972
S971
S975
Z971
INTERFACE

MODE
HALF
S951
S952

Q2959,Q2960
PLUNGER
SUPPLY SWITCH/
PLUNGER:ON/OFF
SWITCH
D951

Q2957,Q2958
PLUNGER
SUPPLY SWITCH/
PLUNGER:ON/OFF
SWITCH
D971

IC2871
C3EBEG000073
E-EPROM
6
5
4
3

D2503

53 MODE_1
52 HALF_1
97 PHOTO_1
91 DECK2
95 PHOTO_2
58 MTR
59 REC
60 DECK1_H
56 PLG1
57 PLG2
43 EE_DAT
42 EE_CLK
41 EE_CS
1 LM_1
26 ASP_DAT
27 ASP_CLK
40 MUTE_A
47 DCDET
KEY3
KEY1
20 SYNC
39 MUTE_DA
7 F_HOP
46 PCONT/EFP_/CE
6 STANDBY

C2CBYY000053 IC2801 MICROPROCESSOR

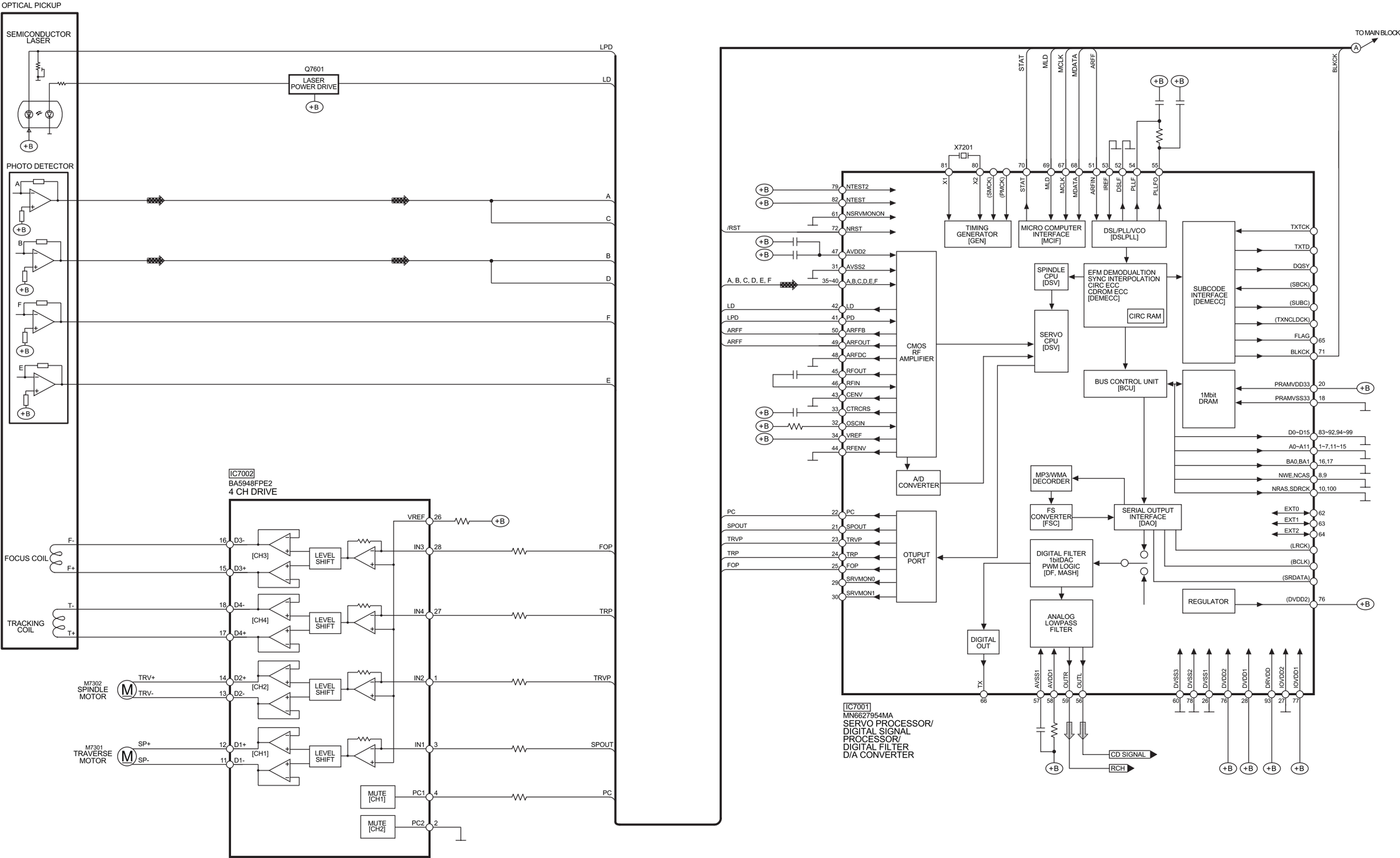
C2CBYY000053 IC2801 MICROPROCESSOR

66 VOL_LED
18 RMT

D6457, QR6457
D6462
LED
DRIVE

Z6481
REMOTE SENSOR

FMANT
Z2620
Q1 (RFAMP)
Q2
MIXER
Q3
OSC
Q4
BUFFER
CF2601
Q2601
FM IF AMP
CF2602
AMANT
L2601
D2602
L2602
+B
+B (FM)
RCH
ALC
AM OSC
BUFFER
AM MIX
AM RMAMP
AGC
DECODER
PHASE DET
PILOT CANCEL
STEREO SWITCH
LEVEL DET
S-CURVE
FM IF
FM DET
AM/FM IF BUFFER
AM IF
AM DET
COMP
VCO
TUNING DRIVE
FF
PILOT DET
REG
SD
ST
IC2601
C1BB00000962
FM/AM IF AMP, DET/AM OSC, MIX/FM MPX
Z2602
AM IFT
X2602
ST/DO
SD
PHASE DETECTOR CHARGE PUMP
REFERENCE DIVIDER
X2603
UNLOCK DETECTOR
SWALLOW COUNTER 1/6,1/17,4 BITS
12 BITS PROGRAMMABLE DIVIDER
UNIVERSAL COUNTER
SHIFT REGISTER LATCH
C2B I/F
POWER ON RESET
DO
CE
DI
CL
PLLDA
PLLCLK
Q2606
TUNER 15V SUPPLY SWITCH
IC2602
C1CB00001937
PLL FREQUENCY SYNTHESIZER
TO CD DRIVE BLOCK
FL6602
FL DISPLAY
GR1
GR12
31~42
SG1
SG16
14~22, 23~29
FROM POWER TRANSFORMER
5~16,24
25~40
FL10
FL24
FL25
FL40
IC6601
C0HBB0000057
FL DRIVER
STB
DIN
CLK
/RST
STAT
Q2907
CD STATUS INTERFACE
PLLCLK
BLKCK
Q2906
BLKCK INTERFACE SWITCH
MLD
MDATA
MCLK
CE
SD
BLKCK
PLLCK
ST/DO
STATUS
CD_RST
FL_CS
FL_DOUT
FL_CLK
TO CD LOADING CIRCUIT
HOME_SW
SPEED
CLOSE_SW
OPEN_SW
CHG_CW
CHG_CCW
ST_SW
PLAY_SW
BOTTOM_SW
UP_SENSOR
C2CBYY000053
IC2801
MICROPROCESSOR
RESTSW
S7201 RESET SWITCH
V_JOG_A
V_JOG_B
VR6491 JOG VOL
XC_IN
XC_OUT
X2801
X_OUT
X_IN
X2802
VOL_LED
D6457, D6462
QR6457
LED DRIVE
IC1004
C1AA00000612
R/P SELECT
(DECK 1) P.B. HEAD
(DECK 2) R/P HEAD
LCH
(DECK 2) ERASE HEAD
L1002
Q1003
SWITCHING (BEAT PROOF/ RECH)
Q1017
MOTOR SWITCH
M1002
Q2980
DECK MOTOR SWITCH
IC951
CNB13030R2AU
PHOTO INTERRUPTER
MODE
HALF
S951
S952
MODE_1
HALF_1
PHOTO_1
HALF
MODE
RECINH_F
S972
S971
S975
Z971 INTERFACE
DECK2
IC971
CNB13030R
PHOTO INTERRU
PHOTO_2


OPTICAL PICKUP
SEMICONDUCTOR LASER
PHOTO DETECTOR
Q7601
LASER POWER DRIVE
LPD
LD
A
C
B
D
F
E
IC7002
BA5948FPE2
4 CH DRIVE
FOCUS COIL
TRACKING COIL
M7302 SPINDLE MOTOR
M7301 TRAVERSE MOTOR
[CH3]
[CH4]
[CH2]
[CH1]
LEVEL SHIFT
MUTE [CH1]
MUTE [CH2]
VREF
IN3
IN4
IN2
IN1
FOP
TRP
TRVP
SPOUT
PC
TO MAIN BLOCK
X7201
TIMING GENERATOR [GEN]
MICRO COMPUTER INTERFACE [MCIF]
DSL/PLL/VCO [DSLPLL]
CMOS RF AMPLIFIER
A/D CONVERTER
OTUPUT PORT
SPINDLE CPU [DSV]
SERVO CPU [DSV]
EFM DEMODUALTION SYNC INTERPOLATION CIRC ECC CDROM ECC [DEMECC]
CIRC RAM
SUBCODE INTERFACE [DEMECC]
BUS CONTROL UNIT [BCU]
1Mbit DRAM
MP3/WMA DECORDER
FS CONVERTER [FSC]
SERIAL OUTPUT INTERFACE [DAO]
DIGITAL FILTER 1bitDAC PWM LOGIC [DF, MASH]
ANALOG LOWPASS FILTER
DIGITAL OUT
REGULATOR
CD SIGNAL
RCH
IC7001
MN6627954MA
SERVO PROCESSOR/ DIGITAL SIGNAL PROCESSOR/ DIGITAL FILTER D/A CONVERTER